=> S CHROMOSOME(2A)(18) AND (BIPOLAR OR MANIC)

```
          6999 CHROMOSOME
       1649693 18
           126 CHROMOSOME(2A)(18)
         37700 BIPOLAR
           414 MANIC
L1           2 CHROMOSOME(2A)(18) AND (BIPOLAR OR MANIC)
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=> D L1 1-2 CIT,AB

1. 5,914,394, Jun. 22, 1999, Methods and compositions for the diagnosis and treatment of neuropsychiatric disorders; Hong Chen, et al., 536/23.5; 435/69.1, 70.2, 91.1, 252.3, 320.1, 325, 333; 536/23.1, 24.1 [IMAGE AVAILABLE]

US PAT NO: 5,914,394 [IMAGE AVAILABLE] L1: 1 of 2

ABSTRACT:
The present invention relates to the mammalian fsh16 gene, a novel gene associated with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh16 nucleic acids, recombinant DNA molecules, cloned genes or degenerate variants thereof, fsh16 gene products and antibodies directed against such gene products, cloning vectors containing mammalian fsh16 gene molecules, and hosts that have been genetically engineered to express such molecules. The invention further relates to methods for the identification of compounds that modulate the expression of fsh16 and to using such compounds as therapeutic agents in the treatment of fsh16 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh16 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compositions for the treatment these disorders.

2. 5,866,412, Feb. 2, 1999, **Chromosome 18** marker; Hong Chen, et al., 435/320.1, 243, 325; 536/23.1, 23.5 [IMAGE AVAILABLE]

US PAT NO: 5,866,412 [IMAGE AVAILABLE] L1: 2 of 2

ABSTRACT:
The present invention relates to the mammalian fsh15w6 gene, a novel gene associated with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh15w6 nucleic acids, recombinant DNA molecules, cloned genes or degenerate variants thereof, fsh15w6 gene products and antibodies directed against such gene products, cloning vectors containing mammalian fsh15w6 gene molecules, and hosts that have been genetically engineered to express such molecules. The invention further relates to methods for the identification of compounds that modulate the expression of fsh15w6 and to using such compounds as therapeutic agents in the treatment of fsh15w6 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh15w6 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compositions for the treatment these disorders.

L2 ANSWER 1 OF 6 MEDLINE
AN 1999264248 MEDLINE
DN 99264248
TI Assessing the feasibility of linkage disequilibrium methods for mapping complex traits: an initial screen for **bipolar disorder** loci on **chromosome 18**.
AU Escamilla M A; McInnes L A; Spesny M; Reus V I; Service S K; Shimayoshi N;
Tyler D J; Silva S; Molina J; Gallegos A; Meza L; Cruz M L; Batki S; Vinogradov S; Neylan T; Nguyen J B; Fournier E; Araya C; Barondes S H; Leon P; Sandkuijl L A; Freimer N B
CS Neurogenetics Laboratory, University of California San Francisco, San Francisco, USA.
NC MH00916 (NIMH)
MH49499 (NIMH)
MH48695 (NIMH)
+
SO AMERICAN JOURNAL OF HUMAN GENETICS, (1999 Jun) 64 (6) 1670-8.
Journal code: 3IM. ISSN: 0002-9297.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199908
EW 19990804
AB Linkage disequilibrium (LD) analysis has been promoted as a method of mapping disease genes, particularly in isolated populations, but has not yet been used for genome-screening studies of complex disorders. We present results of a study to investigate the feasibility of LD methods for genome screening using a sample of individuals affected with severe **bipolar mood disorder** (BP-I), from an isolated population of the Costa Rican central valley. Forty-eight patients with BP-I were genotyped for markers spaced at approximately 6-cM intervals across **chromosome 18**. **Chromosome 18** was chosen because a previous genome-screening linkage study of two Costa Rican families had suggested a BP-I locus on this chromosome. Results of the current study suggest that LD methods will be useful for mapping BP-I in a larger sample. The results also support previously reported possible localizations (obtained from a separate collection of patients) of BP-I-susceptibility genes at two distinct sites on this chromosome. Current limitations of LD screening for identifying loci for complex traits are discussed, and recommendations are made for future research with these methods.

L2 ANSWER 2 OF 6 MEDLINE
AN 1998351040 MEDLINE
DN 98351040
TI Affective **disorder** associated with a balanced translocation involving **chromosome** 14 and **18**.
AU Overhauser J; Berrettini W H; Rojas K
CS Department of Biochemistry and Molecular Pharmacology, Thomas Jefferson University, Philadelphia, PA 19107, USA.. J_Overhauser@lac.jci.tju.edu
SO PSYCHIATRIC GENETICS, (1998 Summer) 8 (2) 53-6.
Journal code: B3X. ISSN: 0955-8829.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199901

EW 19990104
AB We report a case of a women with psychiatric illness that includes **bipolar disorder** who has a karyotype of 46,XX,t(14;18)(q11.2;q22.1). The region on **chromosome 18** that is involved in the translocation has been implicated in other families through linkage and association studies as possibly containing a gene for **bipolar** illness.

L2 ANSWER 3 OF 6 MEDLINE
AN 97480722 MEDLINE
DN 97480722
TI Genomic structure and chromosomal localization of a human myo-inositol monophosphatase gene (IMPA).
AU Sjoholt G; Molven A; Lovlie R; Wilcox A; Sikela J M; Steen V M
CS Dr. Einar Martens' Research Group for Biological Psychiatry, Center for Molecular Medicine, Haukeland University Hospital, Bergen, Norway.
SO GENOMICS, (1997 Oct 1) 45 (1) 113-22.
Journal code: GEN. ISSN: 0888-7543.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-Y11360; GENBANK-Y11361; GENBANK-Y11362; GENBANK-Y11363; GENBANK-Y11364; GENBANK-Y11365; GENBANK-Y11366; GENBANK-Y11367
EM 199801
EW 19980104
AB Manic-depressive illness is a serious psychiatric **disorder** that in many, but far from all, patients can be treated with lithium. The main causes for discontinuation of lithium therapy are unpleasant or serious side effects and lack of response. The reason for the striking variation in clinical efficacy of lithium treatment among **bipolar** patients is not known. The enzyme myo-inositol monophosphatase (IMPase) has been postulated as a target for the **mood**-stabilizing effects of lithium, but variation in the coding region of the human IMPA gene encoding IMPase activity has not been observed in manic-depressive patients (Steen et al., Pharmacogenetics, 1996, 6, 113-116). It is nevertheless conceivable that polymorphisms or mutations in the noncoding regions of this gene could influence the lithium response in psychiatric patients. As a first step in investigating this possibility, we here report the genomic structure of the human IMPA gene. The gene is composed of at least nine exons and covers more than 20 kb of sequence on chromosome 8q21.13-q21.3. In the 3'-untranslated part of the gene, we observed a polymorphism (a G to A transition) and also two short sequences similar to the inositol/cholin-responsive element consensus. Finally, we postulate that two additional IMPA-like transcripts originate from the human genome, one from a position close to IMPA itself on chromosome 8 and the other from **chromosome 18p**. Our data may contribute to the identification of genetic factors involved in the pathogenesis and determination of treatment response in manic-depressive illness.

L2 ANSWER 4 OF 6 MEDLINE
AN 97430985 MEDLINE
DN 97430985
TI Lack of evidence for a major locus for **bipolar disorder** in the pericentromeric region of **chromosome 18** in Irish pedigrees.
AU Mynett-Johnson L A; Murphy V E; Manley P; Shields D C; McKeon P
CS Department of Genetics, Trinity College Dublin, Ireland.
SO BIOLOGICAL PSYCHIATRY, (1997 Sep 15) 42 (6) 486-94.
Journal code: A3S. ISSN: 0006-3223.
CY United States
DT (CLINICAL TRIAL)
Journal; Article; (JOURNAL ARTICLE)

LA English
FS Priority Journals
EM 199712
EW 19971204
AB Seven families, multiply affected by **bipolar mood disorder**, have been collected from the Irish population and have been genotyped with microsatellite markers from the pericentromeric region of **chromosome 18**, a region that has been implicated as a site for a susceptibility gene for this relative common psychiatric **disorder**. The families significantly excluded linkage of **bipolar disorder** to this region under various models. Although the data provided no evidence of linkage heterogeneity among families, the number of families investigated may be too small to exclude completely the possibility of linkage in a small number of families.

L2 ANSWER 5 OF 6 MEDLINE
AN 97372982 MEDLINE
DN 97372982
TI Cytogenetic abnormalities on **chromosome 18** associated with **bipolar** affective **disorder** or schizophrenia.
AU Mors O; Ewald H; Blackwood D; Muir W
CS Institute for Basic Psychiatric Research, Risskov, Denmark.
SO BRITISH JOURNAL OF PSYCHIATRY, (1997 Mar) 170 278-80.
Journal code: B1K. ISSN: 0007-1250.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199710
AB BACKGROUND: A few recent linkage studies have shown a possible locus for **bipolar disorder** on **chromosome 18**. Cytogenetic studies may assist in the further localisation of susceptibility loci on this chromosome. METHOD: A search was made for abnormalities of **chromosome 18** in two separate large cytogenetic databases. In Denmark detection of mental illness in subjects with chromosome abnormalities was done by cross-linking the two separate register of psychiatric and chromosome disorders. In Scotland the Cytogenetic Registry of the MRC Human Genetics Unit undertakes long-term clinical follow-up of all cases with chromosome abnormalities. RESULTS: Cross-linking the two Danish register's revealed a family with the rare karyotype abnormality inv(18) (p11.3;q21.1) with one inversion carrier who also suffered from **bipolar disorder**. In this family there were two other cases of **bipolar disorder**, but the karyotype of these cases could not be established. One family in Scotland showed a case of schizophrenia in a carrier of inv(18) with the same breakpoints as the Danish family. CONCLUSIONS: We suggest further studies of the 18p11.3 and 18q21.1 regions in order to identify genes involved in **bipolar** affective **disorder** and schizophrenia.

L2 ANSWER 6 OF 6 MEDLINE
AN 97209418 MEDLINE
DN 97209418
TI Genetics of manic depressive illness.
AU MacKinnon D F; Jamison K R; DePaulo J R
CS Department of Psychiatry, Johns Hopkins University School of Medicine, Baltimore, Maryland 21287, USA.
SO ANNUAL REVIEW OF NEUROSCIENCE, (1997) 20 355-73. Ref: 65
Journal code: 5Z5. ISSN: 0147-006X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)

LA English
FS Priority Journals
EM 199708
AB Manic depressive illness is a common and frequently debilitating familial psychiatric **disorder**. Efforts to understand the mechanisms of inheritance have been hindered by the complexity of the phenotype, which may range from benign **mood** swings to chronic psychosis, and by apparently nonmendelian modes of transmission. Early reports of linkage to chromosomal loci have fallen into doubt; however they have helped encourage the development of more sophisticated methods for analyzing complex phenotypes. Using such methods, linkage of manic depressive illness to loci on **chromosome 18** has been reported and apparently replicated, and work is proceeding to identify genes associated with what is probably a genetically heterogeneous set of disorders. As molecular mechanisms of inheritance are elucidated, it will be important to consider the ethical implications of genetic testing in a clinically and genetically complex **disorder** such as manic depressive illness.

L6 ANSWER 1 OF 4 MEDLINE
AN 1998019047 MEDLINE
DN 98019047
TI Linkage analysis of **manic depression** (bipolar affective disorder) in Icelandic and British kindreds using markers on the short arm of **chromosome 18**.
AU Kalsi G; Smyth C; Brynjolfsson J; Sherrington R S; O'Neill J; Curtis D; Rifkin L; Murphy P; Petursson H; Gurling H M
CS Molecular Psychiatry Laboratory, University College London Medical School, UK.
SO HUMAN HEREDITY, (1997 Sep-Oct) 47 (5) 268-78.
Journal code: GE9. ISSN: 0001-5652.
CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199802
EW 19980204
AB Attempts were made to follow up results of a previous linkage study which suggested that a locus-modifying susceptibility to bipolar and related unipolar affective disorder might be present in the pericentromeric region of the short arm of **chromosome 18**. Twenty-three multiply affected pedigrees collected from Iceland and the UK were genotyped using three highly polymorphic microsatellite markers at D18S37, D18S40 and D18S44 which span the region implicated. Lod score analyses under the assumption of heterogeneity and non-parametric linkage analyses were performed. The total lod scores obtained were strongly negative, and analysis allowing for heterogeneity did not suggest that any subgroup of the families was linked. Model-free linkage analysis using extended relative pair analysis and MFLINK also failed to detect any evidence for linkage. Our study provides no support for the presence of a locus-modifying genetic susceptibility to bipolar affective disorder in the pericentromeric region of **chromosome 18q11**. Further analyses in independent samples should help to reveal whether our negative results are due to locus heterogeneity or whether the original results were false-positive.

L6 ANSWER 2 OF 4 MEDLINE
AN 96304711 MEDLINE
DN 96304711
TI Maternal inheritance and **chromosome 18** allele sharing in unilineal bipolar illness pedigrees.
AU Gershon E S; Badner J A; Detera-Wadleigh S D; Ferraro T N; Berrettini W H
CS National Institute of Mental Health, Bethesda, Maryland 20892-1274, USA.
NC 49181
SO AMERICAN JOURNAL OF MEDICAL GENETICS, (1996 Apr 9) 67 (2) 202-7.
Journal code: 3L4. ISSN: 0148-7299.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199612
AB We have replicated the observation of McMahon et al. [1995] that there is excess maternal transmission of illness in a series of previously described unilineal Bipolar **manic-depressive** illness

extended pedigrees [Berrettini et al., 1991]. ("Transmission" is defined for any ill person in a pedigree when father or mother has a personal or immediate family history of major affective disorder.) We divided our pedigrees into exclusively maternal transmission (Mat) and mixed maternal-paternal transmission (in different pedigree branches) (Pat). Using affected sib-pair-analysis, linkage to a series of markers on **chromosome 18p**-cen was observed in the Pat but not the Mat pedigrees, with significantly greater identity by descent (IBD) at these markers in the Pat pedigrees. As compared with the pedigree series as a whole, the proportion of alleles IBD in the linkage region is much increased in the Pat pedigrees. As shown by Kruglyak and Lander [1995], as the sharing proportion of alleles in affected relative pairs increases, the number of such pairs needed to resolve the linkage region to a 1 cM interval becomes smaller. Genetic subdivision of an illness by clinical or pedigree configuration criteria may thus play an important role in discovery of disease susceptibility mutations.

L6 ANSWER 3 OF 4 MEDLINE
AN 96301288 MEDLINE
DN 96301288
TI Analysis of **chromosome 18** DNA markers in multiplex pedigrees with **manic depression**.
AU Coon H; Hoff M; Holik J; Hadley D; Fang N; Reimherr F; Wender P; Byerley W
CS Department of Psychiatry, University of Utah Medical School, Salt Lake City 84121, USA.
NC MH-44212 (NIMH)
MH10168-F32 (NIMH)
MO1-RR00064 (NCRR)
+
SO BIOLOGICAL PSYCHIATRY, (1996 Apr 15) 39 (8) 689-96.
Journal code: A3S. ISSN: 0006-3223.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199612
AB Six pedigrees segregating **manic-depressive** illness (MDI) were analyzed for linkage to 21 highly polymorphic microsatellite DNA markers on **chromosome 18**. These markers span almost the entire length of the chromosome, and gaps between markers are less than 20 cM. In particular, we analyzed several markers localizing to the pericentromeric region of **chromosome 18** which generated lod scores suggestive of linkage in an independent study. Lod score analysis was performed and results were examined by family. One region produced positive lod scores, though at **18q23** and not in the pericentromeric region. We additionally used two nonparametric methods because the true mode of transmission of MDI is unknown; results were again somewhat suggestive for markers in the region of **18q23** but not in the pericentromeric region.

L6 ANSWER 4 OF 4 MEDLINE
AN 94286549 MEDLINE
DN 94286549
TI **Chromosome 18** DNA markers and **manic-depressive** illness: evidence for a susceptibility gene.
AU Berrettini W H; Ferraro T N; Goldin L R; Weeks D E; Detera-Wadleigh S; Nurnberger J I Jr; Gershon E S
CS Department of Psychiatry and Human Behavior, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA 19107.
NC 1 P41 RR03655 (NCRR)
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF

AMERICA, (1994 Jun 21) 91 (13) 5918-21.
Journal code: PV3. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals; Cancer Journals
EM 199409
AB In the course of a systematic genomic survey, 22 **manic-depressive** (bipolar) families were examined for linkage to 11 **chromosome 18** pericentromeric marker loci, under dominant and recessive models. Overall logarithm of odds score analysis for the pedigree series was not significant under either model, but several families yielded logarithm of odds scores consistent with linkage under dominant or recessive models. Affected sibling pair analysis of these data yielded evidence for linkage ($P < 0.001$) at D18S21. Affected pedigree member analysis also suggests linkage, with multilocus results for five loci giving $P < 0.0001$ and $P = 0.0007$ for weighting functions $f(p) = 1$ and $1/\sqrt{p}$, respectively, where p is the allele frequency. These results imply a susceptibility gene in the pericentromeric region of **chromosome 18**, with a complex mode of inheritance. Two plausible candidate genes, a corticotropin receptor and the alpha subunit of a GTP binding protein, have been localized to this region.

=> d his

(FILE 'HOME' ENTERED AT 14:29:09 ON 13 JUL 1999)

FILE 'MEDLINE' ENTERED AT 14:29:25 ON 13 JUL 1999
L1 1488 S BIPOLAR AND MOOD AND DISORDER
L2 6 S L1 AND CHROMOSOME(2A)(18?)
L3 153 S MANIC AND DEPRESS? AND (18?)
L4 1655 S CHROMOSOME (4A)(18?)
L5 6 S L4 AND L3
L6 4 S L5 NOT L2

08/976,560
7/20/99

```
=> s l8 and (bipolar or manic)

         18536 BIPOLAR
          1039 MANIC
L9          21 L8 AND (BIPOLAR OR MANIC)

=> d l9 1-21 bib,ab
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L9 ANSWER 1 OF 21 CA COPYRIGHT 1999 ACS
AN 131:1252 CA
TI CCG repeats in cDNAs from human brain
AU Kleiderlein, John J.; Nisson, Paul E.; Jessee, Joel; Li, W.-B.; Becker, K.
G.; Derby, Michael L.; Ross, Christopher A.; Margolis, R. L.
CS Department of Psychiatry, Division of Neurobiology, The Laboratories of Genetic Neurobiology and Molecular Neurobiology, Johns Hopkins University School of Medicine, Baltimore, MD, 21287, USA
SO Hum. Genet. (1998), 103(6), 666-673
CODEN: HUGEDQ; ISSN: 0340-6717
PB Springer-Verlag
DT Journal
LA English
AB Expansion mutations of trinucleotide repeats and other units of unstable DNA have been proposed to account for at least some of the genetic susceptibility to a no. of neuropsychiatric disorders, including **bipolar** affective disorder, schizophrenia, autism, and panic disorder. To generate addnl. candidate genes for these and other disorders, cDNA libraries from human brain were probed at high stringency for clones contg. CCG, CGC, GCC, CGG, GCG, and GGC repeats (referred to collectively as CCG repeats). Some 18 cDNAs contg. previously unpublished or uncharacterized repeats were characterized for chromosomal locus, repeat length polymorphism, and similarity to genes of known function. The cDNAs were also compared with the 37 human genes with eight or more consecutive CCG triplets in GenBank. The repeats were mapped to a no. of loci, including 1p34, 2p11.2, 2q30-32, 3p21, 3p22, 4q35, 6q22, 7qter, 13p13, 17q24, 18p11, 19p13.3, 20q12, 20q13.3, and 22q12. Length polymorphism was detected in 50% of the repeats. The newly cloned cDNAs include a complete transcript of human neurexin-1B, a portion of BCNG-1 (a newly described brain-specific ion channel), a previously unreported polymorphic repeat located in the 5' UTR region of the guanine nucleotide-binding protein (G-protein) .beta.2 subunit, and a human version of the mouse proline-rich protein 7. This list of cDNAs should expedite the search for expansion mutations assocd. with diseases of the central nervous system.

L9 ANSWER 2 OF 21 CA COPYRIGHT 1999 ACS
AN 130:178369 CA
TI ZGGBP1 proteins related to **bipolar** affective disorder type 1
IN Flannery, Angela Veronica; Finnegan, Maria Christina Martina
PA Zeneca Limited, UK
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	WO 9906539	A1	19990211	WO 98-GB2259	19980728
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
PRAI	GB 97-16162		19970801		

AB A new human gene (ZGGBP1) is described which is assocd. with neurol. affective disorders such as **bipolar** affective disorder. A full-length cDNA encoding human ZGGBP1 and a partial cDNA encoding murine ZGGBP1 are disclosed. Polymorphic variants of the gene and functional domains encoded within the gene are also provided. The gene maps to human chromosome 18q21 and shows appreciable sequence homol. to the ned-4 gene on chromosome 15. The invention further relates to methods for identifying compds. which modulate the activity of ZGGBP1 protein, and to diagnostic assays for the detection of ZGGBP1 in biol. samples.

L9 ANSWER 3 OF 21 CA COPYRIGHT 1999 ACS
AN 130:172974 CA
TI Use of fsh05 gene and protein for the diagnosis and treatment of neuropsychiatric disorders
IN Chen, Hong; Freimer, Nelson B.
PA Millennium Pharmaceuticals, Inc., USA; The Regents of the University of California
SO PCT Int. Appl., 117 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9904825	A1	19990204	WO 98-US15183	19980722
	W: AU, CA, JP				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9885805	A1	19990216	AU 98-85805	19980722
PRAI	US 97-898082		19970722		
	WO 98-US15183		19980722		

AB The present invention relates to the mammalian fsh05 gene, a novel gene assocd. with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh05 nucleic acids, recombinant DNA mols., cloned genes or degenerate variants thereof, fsh05 gene products and antibodies directed against such gene products, cloning vectors contg. mammalian fsh05 gene mols., and hosts that have been genetically engineered to express such mols. The invention further relates to methods for the identification of compds. that modulate the expression of fsh05 and to using such compds. as therapeutic agents in the treatment of fsh05 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh05 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compns. for the treatment of these disorders.

L9 ANSWER 4 OF 21 CA COPYRIGHT 1999 ACS
AN 129:340353 CA
TI No evidence for significant linkage between **bipolar** affective disorder and **chromosome 18** pericentromeric markers in a large series of multiplex extended pedigrees
AU Knowles, James A.; Rao, Peter A.; Cox-Matise, Tara; Loth, Jo Ellen; De Jesus, Gracielle M.; Levine, Laura; Das, Kamna; Penchaszadeh, Graciela K.; Alexander, Joyce R.; Lerer, Bernard; Endicott, Jean; Ott, Jurg; Gilliam, T. Conrad; Baron, Miron
CS Columbia University College of Physicians and Surgeons and New York State

Psychiatric Institute, Rockefeller University, New York, NY, 10032, USA
SO Am. J. Hum. Genet. (1998), 62(4), 916-924
CODEN: AJHGAG; ISSN: 0002-9297
PB University of Chicago Press
DT Journal
LA English
AB **Bipolar** affective disorder (BP) is a major neuropsychiatric disorder with high heritability and complex inheritance. Previously reported linkage between BP and DNA markers in the pericentromeric region of **chromosome 18**, with a parent-of-origin effect (linkage was present in pedigrees with paternal transmission and absent in pedigrees with exclusive maternal inheritance), has been a focus of interest in human genetics. We reexamd. the evidence in one of the largest samples reported to date (1013 genotyped individuals in 53 unilineal multiplex pedigrees), using 10 highly polymorphic markers and a range of parametric and nonparametric analyses. There was no evidence for significant linkage between BP and **chromosome 18** pericentromeric markers in the sample as a whole, nor was there evidence for significant parent-of-origin effect (pedigrees with paternal transmission were not differentially linked to the implicated chromosomal region). Two-point LOD scores and single-locus sib-pair results gave some support for suggestive linkage, but this was not substantiated by multilocus anal., and the results were further tempered by multiple test effects. We conclude that there is no compelling evidence for linkage between BP and **chromosome 18** pericentromeric markers in this sample.

L9 ANSWER 5 OF 21 CA COPYRIGHT 1999 ACS
AN 129:287565 CA
TI Methods and compositions for the diagnosis and treatment of neuropsychiatric disorders
IN Chen, Hong; Freimer, Nelson B.
PA Millenium Pharmaceuticals, Inc., USA; The Regents of the University of California
SO PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842362	A1	19981001	WO 98-US6208	19980327
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9867865	A1	19981020	AU 98-67865	19980327
PRAI	US 97-828010		19970327		
	WO 98-US6208		19980327		

AB The present invention relates to the mammalian fsh05 gene, a novel gene assocd. with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh05 nucleic acids, recombinant DNA mols., cloned genes or degenerate variants thereof, fsh05 gene products and antibodies directed against such gene products, cloning vectors contg. mammalian fsh05 gene mols., and hosts that have been genetically engineered to express such mols. The invention further relates to methods for the identification of compds. that modulate the expression of fsh05 and to using such compds. as therapeutic agents in the treatment of fsh05 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh05 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and

compns. for the treatment of these disorders.

L9 ANSWER 6 OF 21 CA COPYRIGHT 1999 ACS
AN 129:286742 CA
TI Fsh16 gene and methods and compositions for the diagnosis and treatment of
neuropsychiatric disorders
IN Chen, Hong; Freimer, Nelson B.
PA Millenium Pharmaceuticals, Inc., USA; The Regents of the University of California
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842726	A1	19981001	WO 98-US6210	19980327
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5914394	A	19990622	US 97-828009	19970327
	AU 9867867	A1	19981020	AU 98-67867	19980327
PRAI	US 97-828009	19970327			
	WO 98-US6210	19980327			

AB The present invention relates to the mammalian fsh16 gene, a novel gene assocd. with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh16 nucleic acids, recombinant DNA mols., cloned genes or degenerate variants thereof, fsh16 gene products and antibodies directed against such gene products, cloning vectors contg. mammalian fsh16 gene mols., and hosts that have been genetically engineered to express such mols. The invention further relates to methods for the identification of compds. that modulate the expression of fsh16 and to using such compds. as therapeutic agents in the treatment of fsh16 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh16 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compns. for the treatment of these disorders.

L9 ANSWER 7 OF 21 CA COPYRIGHT 1999 ACS
AN 129:286740 CA
TI Fsh22 gene and methods and compositions for the diagnosis and treatment of
neuropsychiatric disorders
IN Chen, Hong; Freimer, Nelson B.
PA Millenium Pharmaceuticals, Inc., USA; The Regents of the University of California
SO PCT Int. Appl., 93 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842723	A1	19981001	WO 98-US6209	19980327
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9867866	A1	19981020	AU 98-67866	19980327
PRAI	US 97-828008	19970327			
	WO 98-US6209	19980327			

AB The present invention relates to the mammalian fsh22 gene, a novel gene assocd. with **bipolar** affective disorder (BAD) in humans. The

invention encompasses fsh22 nucleic acids, recombinant DNA mols., cloned genes or degenerate variants thereof, fsh22 gene products and antibodies directed against such gene products, cloning vectors contg. mammalian fsh22 gene mols., and hosts that have been genetically engineered to express such mols. The invention further relates to methods for the identification of compds. that modulate the expression of fsh22 and to using such compds. as therapeutic agents in the treatment of fsh22 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh22 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compns. for the treatment of these disorders.

L9 ANSWER 8 OF 21 CA COPYRIGHT 1999 ACS
AN 129:271555 CA
TI Fsh15w6 gene and methods and compositions for the diagnosis and treatment of neuropsychiatric disorders
IN Chen, Hong; Freimer, Nelson B.
PA Millenium Pharmaceuticals, Inc., USA; The Regents of the University of California
SO PCT Int. Appl., 94 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842724	A1	19981001	WO 98-US6211	19980327
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5866412	A	19990202	US 97-828007	19970327
	AU 9867868	A1	19981020	AU 98-67868	19980327
PRAI	US 97-828007		19970327		
	WO 98-US6211		19980327		

AB The present invention relates to the mammalian fsh15w6 gene, a novel gene assocd. with **bipolar** affective disorder (BAD) in humans. The invention encompasses fsh15w6 nucleic acids, recombinant DNA mols., cloned genes or degenerate variants thereof, fsh15w6 gene products and antibodies directed against such gene products, cloning vectors contg. mammalian fsh15w6 gene mols., and hosts that have been genetically engineered to express such mols. The invention further relates to methods for the identification of compds. that modulate the expression of fsh15w6 and to using such compds. as therapeutic agents in the treatment of fsh15w6 disorders and neuropsychiatric disorders. The invention also relates to methods for the diagnostic evaluation, genetic testing and prognosis of fsh15w6 disorders and neuropsychiatric disorders including schizophrenia, attention deficit disorder, a schizoaffective disorder, a **bipolar** affective disorder or a unipolar affective disorder, and to methods and compns. for the treatment of these disorders.

L9 ANSWER 9 OF 21 CA COPYRIGHT 1999 ACS
AN 129:1406 CA
TI Chromosomal markers and diagnostic tests for **manic**-depressive illness
IN Detera-Wadleigh, Sevilla D.; Gershon, Elliot S.; Badner, Judith A.; Goldin, Lynn R.; Berrettini, Wade H.; Yoshikawa, Takeo; Sanders, Alan R.; Esterling, Lisa E.
PA United States Dept. of Health and Human Services, USA; Detera-Wadleigh, Sevilla D.; Gershon, Elliot S.; Badner, Judith A.; Goldin, Lynn R.; Berrettini, Wade H.; Yoshikawa, Takeo; Sanders, Alan R.; Esterling, Lisa E.

SO PCT Int. Appl., 119 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9818963	A1	19980507	WO 97-US19381	19971028
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2241855	AA	19980507	CA 97-2241855	19971028
	AU 9851509	A1	19980522	AU 98-51509	19971028
PRAI	US 96-29278	19961028			
	WO 97-US19381	19971028			

AB Methods and compns. are provided for detg. a genotype assocd. with increased susceptibility to **manic**-depressive illness. The genotype is detd. using markers for a region of **chromosome 18** exhibiting linkage disequil. with **manic**-depressive illness. The invention also provides for a novel myo-inositol monophosphatase protein encoded for on **chromosome 18**. Using direct cDNA selection and phys. mapping by PCR, 25 novel, **chromosome 18**-specific cDNAs expressed in infant brain have been identified and positionally cataloged. A cDNA for a gene assocd. with **manic**-depression was identified. Based on sequence homol. and presence of protein motifs, the gene is proposed to encode myo-inositol monophosphatase. The promoter region of the gene was also isolated and sequenced.

L9 ANSWER 10 OF 21 CA COPYRIGHT 1999 ACS
AN 128:253385 CA
TI Genomic screening in **manic**-depressive disorder
AU Verheyen, Geert R.; Van Broeckhoven, Christine
CS Laboratory of Neurogenetics, Flanders Interuniversity Institute for Biotechnology (VIB), Department of Biochemistry, Born-Bunge Foundation (BBS), University of Antwerp (UIA), Antwerp, B-2610, Belg.
SO Wenner-Gren Int. Ser. (1998), 69(Genetics and Psychiatric Disorders), 147-163
CODEN: WGISEA; ISSN: 1356-0409
PB Elsevier Science Ltd.
DT Journal; General Review
LA English
AB A review with .apprx.50 refs., providing an overview of the results of the linkage studies in several **bipolar** disorder families performed in the authors' lab. The authors have mostly found neg. linkage results. However, Xq27-q28 could not be excluded and small, pos. LOD scores are obtained. Suggestive LOD scores were also found for linkage to 18q22.3-q23.

L9 ANSWER 11 OF 21 CA COPYRIGHT 1999 ACS
AN 128:176630 CA
TI Rapid cloning of expanded trinucleotide repeat sequences from genomic DNA
AU Koob, Michael D.; Benzow, Kellie A.; Bird, Thomas D.; Day, John W.; Moseley, Melinda L.; Ranum, Laura P. W.
CS Dep. Neurol., Univ. Minnesota, Minneapolis, MN, 55455, USA
SO Nat. Genet. (1998), 18(1), 72-75
CODEN: NGENEC; ISSN: 1061-4036
PB Nature America
DT Journal

LA English
AB Trinucleotide repeat expansions have been shown to cause a no. of neurodegenerative diseases. A hallmark of most of these diseases is the presence of anticipation, a decrease in the age at onset in consecutive generations due to the tendency of the unstable trinucleotide repeat to lengthen when passed from one generation to the next. The involvement of trinucleotide repeat expansions in a no. of other diseases - including familial spastic paraplegia, schizophrenia, **bipolar** affective disorder and spinocerebellar ataxia type 7 (SCA7) - is suggested both by the presence of anticipation and by repeat expansion detection (RED) anal. of genomic DNA samples. The involvement of trinucleotide expansions in these diseases, however, can be conclusively confirmed only by the isolation of the expansions present in these populations and detailed anal. to assess each expansion as a possible pathogenic mutation. We describe a novel procedure for quick isolation of expanded trinucleotide repeats and the corresponding flanking nucleotide sequence directly from small amts. of genomic DNA by a process of Repeat Anal., Pooler Isolation and Detection of individual clones contg. expanded trinucleotide repeats (RAPID cloning). We have used this technique to clone the pathogenic SCA7 CAG expansion from an archived DNA sample of an individual affected with ataxia and retinal degeneration.

L9 ANSWER 12 OF 21 CA COPYRIGHT 1999 ACS
AN 128:10756 CA
TI Genomic structure and chromosomal localization of a human myo-inositol monophosphatase gene (IMPA)
AU Sjoholt, Gry; Molven, Anders; Lovlie, Roger; Wilcox, Andrea; Sikela, James M.; Steen, Vidar M.
CS Dr. Einar Martens' Research Group for Bioogical Psychiatry, Center for Molecular Medicine, Haukeland University Hospital, Bergen, N-5021, Norway
SO Genomics (1997), 45(1), 113-122
CODEN: GNMCEP; ISSN: 0888-7543
PB Academic
DT Journal
LA English
AB **Manic**-depressive illness is a serious psychiatric disorder that in many, but far from all, patients can be treated with lithium. The main causes for discontinuation of lithium therapy are unpleasant or serious side effects and lack of response. The reason for the striking variation in clin. efficacy of lithium treatment among **bipolar** patients is not known. The enzyme myo-inositol monophosphatase (IMPase) has been postulated as a target for the mood-stabilizing effects of lithium, but variation in the coding region of the human IMPA gene encoding IMPase activity has not been obsd. in **manic**-depressive patients (Steen et al., Pharmacogenetics, 1996, 6, 113-116). It is nevertheless conceivable that polymorphisms or mutations in the noncoding regions of this gene could influence the lithium response in psychiatric patients. As a first step in investigating this possibility, we here report the genomic structure of the human IMPA gene. The gene is composed of at least nine exons and covers more than 20 kb of sequence on chromosome 8q21.13-q21.3. In the 3'-untranslated part of the gene, we obsd. a polymorphism (a G to A transition) and also two short sequences similar to the inositol/cholin-responsive element consensus. Finally, we postulate that two addnl. IMPA-like transcripts originate from the human genome, one from a position close to IMPA itself on chromosome 8 and the other from chromosome 18p. Our data may contribute to the identification of genetic factors involved in the pathogenesis and detn. of treatment response in **manic**-depressive illness.

L9 ANSWER 13 OF 21 CA COPYRIGHT 1999 ACS
AN 128:842 CA
TI A novel, heritable, expanding CTG repeat in an intron of the SEF2-1 gene on chromosome 18q21.1
AU Breschel, T. S.; McInnis, M. G.; Margolis, R. L.; Sirugo, G.; Corneliussen, B.; Simpson, S. G.; McMahon, F. J.; MacKinnon, D. F.; Xu, J. F.; Pleasant, N.; Huo, Y.; Ashworth, R. G.; Grundstrom, C.; Grundstrom, T.; Kidd, K. K.; DePaulo, J. R.; Ross, C. A.
CS George Browne Genet. Lab., Dep. Psychiatry Behav. Sci., Johns Hopkins Univ. Sch. Med., Baltimore, MD, USA
SO Hum. Mol. Genet. (1997), 6(11), 1855-1863
CODEN: HMGEE5; ISSN: 0964-6906
PB Oxford University Press
DT Journal
LA English
AB There are currently 13 diseases known to be caused by unstable triplet repeat mutations; however, there are some instances (as with FRAXF and FRA16) when these mutations appear to be asymptomatic. In a search for polymorphic CTG repeats as candidate genes for **bipolar** disorder, we screened a genomic human **chromosome 18**-specific library and identified a 1.6 kb clone (7,6A) with a CTG24 repeat that maps to 18q21.1. The CTG repeat locus, termed CTG18.1, is located within an intron of human SEF2-1, a gene encoding a basic helix-loop-helix DNA binding protein involved in transcriptional regulation. The CTGn repeat is highly polymorphic and very enlarged alleles, consistent with expansions of up to CTG2100, were identified. PCR and Southern blot anal. in pedigrees ascertained for a Johns Hopkins University **bipolar** disorder linkage study and in CEPH ref. pedigrees revealed a tripartite distribution of CTG18.1 alleles with stable alleles (CTG10-CTG37), moderately enlarged and unstable alleles (CTG53-CTG250), and very enlarged, unstable alleles (CTG800-CTG2100). Moderately enlarged alleles were not assocd. with an abnormal phenotype and have a combined enlarged allele frequency of 3% in the CEPH and **bipolar** populations. Very enlarged alleles, detectable only by Southern blot anal. of genomic digests, have thus far been found in only three individuals from our **bipolar** pedigrees, and to date, have not been found in any of the CEPH ref. pedigrees. These enlarged alleles may arise, at least in part, via somatic mutation.

L9 ANSWER 14 OF 21 CA COPYRIGHT 1999 ACS
AN 127:327441 CA
TI Methods for detecting **bipolar** mood disorder susceptibility locus on human chromosome 18q
IN Friemer, Nelson B.; Leon, Pedro; Reus, Victor I.; Sandkuijl, Lodewijk A.; Barondes, Samuel H.
PA Regents of the University of California, USA; Friemer, Nelson B.; Leon, Pedro; Reus, Victor I.; Sandkuijl, Lodewijk A.; Barondes, Samuel H.
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9737043	A1	19971009	WO 97-US4904	19970327

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN,

ML, MR, NE, SN, TD, TG

CA 2247996	AA	19971009	CA 97-2247996	19970327
AU 9724238	A1	19971022	AU 97-24238	19970327
WO 9807887	A1	19980226	WO 97-US14892	19970822

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9741604	A1	19980306	AU 97-41604	19970822

PRAI US 96-14498 19960329
US 96-23438 19960823
WO 97-US4904 19970327
WO 97-US14892 19970822

AB The present invention is directed to methods of detecting the presence of a **bipolar** mood disorder susceptibility locus in an individual, comprising analyzing a sample of DNA for the presence of a DNA polymorphism on the long arm of **chromosome 18** between markers D18S469 and D18S554, wherein the DNA polymorphism is assocd. with a form of **bipolar** mood disorder (BP). The invention for the first time provides strong evidence of a susceptibility gene for BP that is located in the 18q22-q23 region of the long arm of **chromosome 18**. The disclosure describes the use of linkage anal. and genetic markers in the 18q22-q23 region to fine map the region and the use of genetic markers to genetically diagnose (genotype) BP in individuals, to confirm phenotypic diagnoses of BP, to det. appropriate treatments for patients with particular genotypic subtypes. Isolated polynucleotides useful for genetic linkage anal. of BP-I and methods for obtaining such isolated polynucleotides are also described. In screening for a BP susceptibility locus, only those individuals with the most severe and clin. distinctive form of BP were considered as affected. Two large pedigrees were selected from a genetically homogeneous population, that of the Central Valley of Costa Rica. The entire human genome was screened for linkage using mapped microsatellite markers and a model for genetic anal. in which most of the linkage information derived from affected individuals. Three lines of evidence supported the localization of a BP susceptibility locus to 18q22-q23: assocn. anal., linkage anal., and direct observation of a conserved marker haplotype.

L9 ANSWER 15 OF 21 CA COPYRIGHT 1999 ACS
AN 126:5800 CA
TI A complete genome screen for genes predisposing to severe **bipolar** disorder in two Costa Rican pedigrees
AU McInnes, L. Alison; Escamilla, Michael A.; Service, Susan K.; Reus, Victor I.; Leon, Pedro; Silva, Sandra; Rojas, Eugenia; Spesny, Mitzi; Baharloo, Siamak; et al.
CS Neurogenet. Lab., Univ. California, San Francisco, CA, 94143, USA
SO Proc. Natl. Acad. Sci. U. S. A. (1996), 93(23), 13060-13065
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
AB **Bipolar** mood disorder (BP) is a debilitating syndrome characterized by episodes of mania and depression. We designed a multistage study to detect all major loci predisposing to severe BP (termed BP-I) in two pedigrees drawn from the Central Valley of Costa Rica, where the population is largely descended from a few founders in the 16th-18th centuries. We considered only individuals with BP-I as affected

and screened the genome for linkage with 473 microsatellite markers. We used a model for linkage anal. that incorporated a high phenocopy rate and a conservative est. of penetrance. Our goal in this study was not to establish definitive linkage but rather to detect all regions possibly harboring major genes for BP-I in these pedigrees. To facilitate this aim, we evaluated the degree to which markers that were informative in our data set provided coverage of each genome region; we est. that at least 94% of the genome has been covered, at a predesignated threshold detd. through prior linkage simulation analyses. We report here the results of our genome screen for BP-I loci and indicate several regions that merit further study, including segments in 18q, 18p, and 11p, in which suggestive lod scores were obsd. for two or more contiguous markers. Isolated lod scores that exceeded our thresholds in one or both families also occurred on chromosomes 1, 2, 3, 4, 5, 7, 13, 15, 16, and 17. Interesting regions highlighted in this genome screen will be followed up using linkage disequil (LD) methods.

L9 ANSWER 16 OF 21 CA COPYRIGHT 1999 ACS
AN 125:192566 CA
TI No association between **chromosome-18** markers and lithium-responsive affective disorders
AU Turecki, Gustavo; Alda, Martin; Grof, Paul; Grof, Eva; Martin, Rory; Cavazzoni, Patrizia A.; Duffy, Anne; Maciel, Patricia; Rouleau, Guy A.
CS Centre Research Neuroscience, Montreal General Hospital, Montreal, PQ, H3H 1A4, Can.
SO Psychiatry Res. (1996), 63(1), 17-23
CODEN: PSRSDR; ISSN: 0165-1781
DT Journal
LA English
AB An allelic assocn. study of excellent responders to lithium was conducted with a candidate gene (Golf, a G-protein receptor gene) and five other chromosome-18p markers. Golf is of special interest because it maps to a region of **chromosome 18** where two independent groups (Berrettini et al., 1994; Stine et al., 1995) have found linkage to **bipolar** disorder. It has been proposed that G proteins are involved in the pathogenesis of **bipolar** disorder, and lithium, an effective prophylactic agent, is known to impair G-protein activation. To reduce heterogeneity - a common obstacle to genetic investigation - only patients who showed excellent response to lithium prophylaxis were studied. Fifty-five genetically unrelated excellent responders to lithium prophylaxis were compared with 94 normal subjects of similar ethnic background. The groups did not differ in either allele or genotype frequency for the tested markers. The data do not support the hypothesis that the tested loci confer a major susceptibility for affective disorders.

L9 ANSWER 17 OF 21 CA COPYRIGHT 1999 ACS
AN 125:2666 CA
TI Genetic mapping using haplotype, association and linkage methods suggests a locus for severe **bipolar** disorder (BPI) at 18q22-q23
AU Freimer, Nelson B.; Reus, Victor I.; Escamilla, Michael A.; McInnes, L. Alison; Spesny, Mitzi; Leon, Pedro; Service, Susan K.; Smith, Lauren B.; Silva, Sandra; et al.
CS Neurogenetics Laboratory, Univ. of California San Francisco, San Francisco, CA, 94143, USA
SO Nat. Genet. (1996), 12(4), 436-441
CODEN: NGENEC; ISSN: 1061-4036
DT Journal
LA English
AB **Manic**-depressive illness, or **bipolar** disorder (BP), is characterized by episodes of elevated mood (mania) and depression1. We

designed a multistage study in the genetically isolated population of the Central Valley of Costa Rica2,3 to identify genes that promote susceptibility to severe BP (termed BPI), and screened the genome of two Costa Rican BPI pedigrees (McInnes et al., submitted). We considered only individuals who fulfilled very stringent diagnostic criteria for BPI to be affected. The strongest evidence for a BPI locus was obsd. in 18q22-q23. We tested 16 addnl. markers in this region and seven yielded peak lod scores over 1.0. These suggestive lod scores were obtained over a far greater chromosomal length (about 40 cM) than in any other genome region. This localization is supported by marker haplotypes shared by 23 of 26 BPI affected individuals studied. Addnl., marker allele frequencies over portions of this region are significantly different in the patient sample from those of the general Costa Rican population. Finally, we performed an anal. which made use of both the evidence for linkage and for assocn. in 18q23, and we obsd. significant lod scores for two markers in this region.

L9 ANSWER 18 OF 21 CA COPYRIGHT 1999 ACS
AN 125:2629 CA
TI Analysis of **chromosome 18** DNA markers in multiplex pedigrees with **manic** depression
AU Coon, Hilary; Hoff, M.; Holik, J.; Hadley, D.; Fang, N.; Reimherr, F.; Wender, P.; Byerley, William
CS Medical School, University Utah, Salt Lake City, UT, 84132, USA
SO Biol. Psychiatry (1996), 39(8), 689-696
CODEN: BIPCBF; ISSN: 0006-3223
DT Journal
LA English
AB Six pedigrees segregating **manic**-depressive illness (MDI) were analyzed for linkage to 21 highly polymorphic microsatellite DNA markers on **chromosome 18**. These markers span almost the entire length of the chromosome, and gaps between markers are less than 20 cM. In particular, we analyzed several markers localizing to the pericentromeric region of **chromosome 18** which generated lod scores suggestive of linkage in an independent study. Lod score anal. was performed and results were examd. by family. One region produced pos. lod scores, though at 18q23 and not in the pericentromeric region. We addnl. used two nonparametric methods because the true mode of transmission of MDI is unknown; results were again somewhat suggestive for markers in the region of 18q23 but not in the pericentromeric region.

L9 ANSWER 19 OF 21 CA COPYRIGHT 1999 ACS
AN 124:334471 CA
TI Linkage analysis of families with **bipolar** illness and **chromosome 18** markers
AU De bruyn, An; Souery, Daniel; Mendelbaum, Karine; Mendlewicz, Julien; Van Broeckhoven, Christine
CS Neurogenetics Laboratory, University Antwerp (UIA), Antwerpe, B-2610, Belg.
SO Biol. Psychiatry (1996), 39(8), 679-688
CODEN: BIPCBF; ISSN: 0006-3223
DT Journal
LA English
AB Linkage of **bipolar** (BP) illness with **chromosome 18** markers located at 18p11 was recently reported. A possible role for **chromosome 18** in the etiol. of BP illness was implicated previously by the finding in three unrelated patients of a ring chromosome with breakpoints and deleted segments at 18pter-p11 and

18q23-qter. To test the potential importance of a gene defect on **chromosome 18** in our material, we examd. linkage with **chromosome 18** markers in two families with multiple patients with BP illness or BP spectrum disorders. Fourteen simple tandem repeat polymorphisms were used located in the chromosomal region 18p11 to 18q23 and sepd. by distances of approx. 10 cM on the genetic map. In one family linkage to **chromosome 18** could not be excluded. Linkage and segregation anal. in the family suggests that the 12-cM region between D18S51 and D18S61 located at 18q21.33-q23 may contain a candidate gene for BP illness.

L9 ANSWER 20 OF 21 CA COPYRIGHT 1999 ACS
AN 124:108441 CA
TI Evidence for linkage of **bipolar** disorder to **chromosome 18** with a parent-of-origin effect
AU Stine, O. Colin; Xu, Jianfeng; Koskela, Rebecca; McMahon, Francis J.; Gschwend, Michele; Friddle, Carl; Clark, Chris D.; McInnis, Melvin G.; Simpson, Sylvia G.; et al.
CS School Medicine, Johns Hopkins University, Baltimore, USA
SO Am. J. Hum. Genet. (1995), 57(6), 1384-94
CODEN: AJHGAG; ISSN: 0002-9297
DT Journal
LA English
AB A susceptibility gene on **chromosome 18** and a parent-of-origin effect have been suggested for **bipolar** affective disorder (BPAD). We have studied 28 nuclear families selected for apparent unilinear transmission of the BPAD phenotype, by using 31 polymorphic markers spanning **chromosome 18**. Evidence for linkage was tested with affected-sib-pair and LOD score methods under two definitions of the affected phenotype. The affected-sib-pair analyses indicated excess allele sharing for makers on 18p within the region reported previously. The greatest sharing was at D18S37: 64% in **bipolar** and recurrent unipolar (RUP) sib pairs (P = .0006). In addn., excess sharing of the paternally, but not maternally, transmitted alleles was obsd. at three markers on 18q: at D18S41, 51 **bipolar** and RUP sib pairs were concordant for paternally transmitted alleles, and 21 pairs were discordant (P = .0004). The evidence for linkage to loci on both 18p and 18q was strongest in the 11 paternal pedigrees, i.e., those in which the father or one of the father's sibs is affected. In these pedigrees, the greatest allele sharing (81%; P = .00002) and the highest LOD score (3.51; .THETA. = 0.0) were obsd. at D18S41. Our results provide further support for linkage of BPAD to **chromosome 18** and the first mol. evidence for a parent-of-origin effect operating in this disorder. The no. of loci involved, and their precise location, require further study.

L9 ANSWER 21 OF 21 CA COPYRIGHT 1999 ACS
AN 121:55150 CA
TI **Chromosome 18** DNA markers and **manic**-depressive illness: evidence for a susceptibility gene
AU Berrettini, Wade H.; Ferraro, Thomas N.; Goldin, Lynn R.; Weeks, Daniel E.; Detera-Wadleigh, Sevilla; Nurnberger, John I., Jr.; Gershon, Elliot S.
CS Dep. Psychiatry and Human Behavior, Thomas Jefferson Univ., Philadelphia, PA, 19107, USA
SO Proc. Natl. Acad. Sci. U. S. A. (1994), 91(13), 5918-21
CODEN: PNASA6; ISSN: 0027-8424
DT Journal
LA English
AB In the course of a systematic genomic survey, 22 **manic**

-depressive (**bipolar**) families were examd. for linkage to 11 **chromosome 18** pericentromeric marker loci, under dominant and recessive models. Overall logarithm of odds score anal. for the pedigree series was not significant under either model, but several families yielded logarithm of odds scores consistent with linkage under dominant or recessive models. Affected sibling pair anal. of these data yielded evidence for linkage ($P < 0.001$) at D18S21. Affected pedigree member anal. also suggests linkage, with multilocus results for five loci giving $P < 0.0001$ and $P = 0.0007$ for weighting functions $f(p) = 1$ and $1/.sqroot.p$, resp., where p is the allele frequency. These results imply a susceptibility gene in the pericentromeric region of **chromosome 18**, with a complex mode of inheritance. Two plausible candidate genes, a ACTH receptor and the .alpha. subunit of a GTP binding protein, have been localized to this region.

L10 ANSWER 1 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 99-04694 BIOTECHDS
TI New isolated fsh05 gene;
associated with human **bipolar** affective disorder, useful for drug screening, diagnosis, therapy, mapping and DNA polymorphism identification of central nervous system disease, e.g. stroke
AU Chen H; Freimer N B
PA Millennium-Pharm.; Univ.California
LO Cambridge, MA, USA; Oakland, CA, USA.
PI WO 9904825 4 Feb 1999
AI WO 98-US15183 22 Jul 1998
PRAI US 97-898082 22 Jul 1997
DT Patent
LA English
OS WPI: 99-142616 [12]

L10 ANSWER 2 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 99-02653 BIOTECHDS
TI New isolated human fsh05 gene;
recombinant fsh05 gene, protein and antibody used to diagnose and treat neuropsychiatric disorder
AU Chen H; Freimer N B
PA Millennium-Pharm.; Univ.California
LO Cambridge, MA, USA; Oakland, CA, USA.
PI WO 9842362 1 Oct 1998
AI WO 98-US6208 27 Mar 1998
PRAI US 97-828010 27 Mar 1997
DT Patent
LA English
OS WPI: 99-070062 [06]

L10 ANSWER 3 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 99-02055 BIOTECHDS
TI New isolated human fsh16 gene;
protein and antibody used for neuropsychiatric condition diagnosis, therapy and drug screening, and to identify fsh16 gene polymorphism
AU Chen H; Freimer N B
PA Millennium-Pharm.; Univ.California
LO Cambridge, MA, USA; Oakland, CA, USA.
PI WO 9842726 1 Oct 1998
AI WO 98-US6210 27 Mar 1998
PRAI US 97-828009 27 Mar 1997
DT Patent
LA English
OS WPI: 99-045133 [04]

L10 ANSWER 4 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 99-00102 BIOTECHDS
TI New isolated human fsh15w6 gene;
recombinant protein and encoding DNA for use in neuropsychiatric disease diagnosis, therapy and drug screening
AU Chen H; Freimer N B
PA Millennium-Pharm.; Univ.California
LO Cambridge, MA, USA; Oakland, CA, USA.
PI WO 9842724 1 Oct 1998
AI WO 98-US6211 27 Mar 1998
PRAI US 97-828007 27 Mar 1997
DT Patent
LA English

OS WPI: 98-542273 [46]

L10 ANSWER 5 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 99-00101 BIOTECHDS
TI New isolated human fsh22 gene;
recombinant protein and encoding DNA for use in neuropsychiatric disease diagnosis, therapy and drug screening
AU Chen H; Freimer N B
PA Millennium-Pharm.; Univ.California
LO Cambridge, MA, USA; Oakland, CA, USA.
PI WO 9842723 1 Oct 1998
AI WO 98-US6209 27 Mar 1998
PRAI US 97-828008 27 Mar 1997
DT Patent
LA English
OS WPI: 98-542272 [46]

L10 ANSWER 6 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 98-07280 BIOTECHDS
TI New isolated IMP.18p myo-inositol-monophosphatase;
human myo-inositol-monophosphatase gene-specific DNA primer construction, antibody and antisense DNA, used for **manic** -depressive illness susceptibility determination or therapy
AU Detera-Wadleigh S D; Gershon E S; Badner J A; Goldin L R; Berrettini W H;
Yoshikawa T; Sanders A R; Esterling L E
PA U.S.Dep.Health-Hum.Serv.
LO Rockville, MD, USA.
PI WO 9818963 7 May 1998
AI WO 97-US19381 28 Oct 1997
PRAI US 96-29278 28 Oct 1996
DT Patent
LA English
OS WPI: 98-272247 [24]

L10 ANSWER 7 OF 7 BIOTECHDS COPYRIGHT 1999 DERWENT INFORMATION LTD
AN 98-00993 BIOTECHDS
TI Medical methods relating to **bipolar** mood disorder;
genotype analysis for use in diagnosis
AU Friemer N B; Leon P; Reus V I; Sandkuijl L A; Barondes S H
PA Univ.California
LO Oakland, CA, USA.
PI WO 9737043 9 Oct 1997
AI WO 97-US4904 27 Mar 1997
PRAI US 96-23438 23 Aug 1996; US 96-14498 29 Mar 1996
DT Patent
LA English
OS WPI: 97-535448 [49]

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=> s l9

        116402 CHROMOSOME
        213101 18
          1804 CHROMOSOME(4A)(18)
         12523 BIPOLAR
          7876 MANIC
L11         74 L8 AND (BIPOLAR OR MANIC)

=> d l11 1-74
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L11 ANSWER 1 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1999204646 EMBASE
TI Report of the **chromosome 18** workshop.
AU Van Broeckhoven C.; Verheyen G.; Ewald A.; Gershon E.S.; Hampson R.M.; Kaneva R.; Kelsoe J.R.; McMahon F.J.; Todd R.; Vorsanova S.G.; Wildenauer D.B.; Williams N.M.
CS C. Van Broeckhoven, Department of Molecular Genetics, Lab of Genetics, University and Antwerp, Antwerp, Belgium
SO American Journal of Medical Genetics - Neuropsychiatric Genetics, (18 Jun 1999) 88/3 (263-270).
Refs: 45
ISSN: 0148-7299 CODEN: AJMGEB
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 2 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1999198181 EMBASE
TI Genetic refinement and physical mapping of a chromosome 18q candidate region for **bipolar** disorder.
AU Verheyen G.R.; Villafuerte S.M.; Del-Favero J.; Souery D.; Mendlewicz J.; Van Broeckhoven C.; Raeymaekers P.
CS Prof. C. Van Broeckhoven, Department of Molecular Genetics, Flandr. Interuniv. Inst. Biotechnol., Universiteitsplein 1, B-2610 Antwerp, Belgium. cvbroeck@uia.ac.be
SO European Journal of Human Genetics, (1999) 7/4 (427-434).
Refs: 33
ISSN: 1018-4813 CODEN: EJHGEU
CY United Kingdom
DT Journal; Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 3 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1999135626 EMBASE
TI An integrated map of **chromosome 18** CAG trinucleotide repeat loci.
AU Grierson A.J.; Van Groenigen M.; Grootz N.P.B.; Lindblad K.; Hoovers J.M.N.; Schalling M.; De Belleroche J.; Baas F.
CS F. Baas, University of Amsterdam, Academic Medical Center, PO Box 22700, 1100DE Amsterdam, Netherlands. f.baas@amc.uva.nl
SO European Journal of Human Genetics, (1999) 7/1 (12-19).

Refs: 34
ISSN: 1018-4813 CODEN: EJHGEU
CY United Kingdom
DT Journal; Article
FS 008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 4 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1999038407 EMBASE
TI Evaluation of linkage of **bipolar** affective disorder to **chromosome 18** in a sample of 57 German families.
AU Nothen M.M.; Cichon S.; Rohleder H.; Hemmer S.; Franzek E.; Fritze J.; Albus M.; Borrmann-Hassenbach M.; Kreiner R.; Weigelt B.; Minges J.; Lichtermann D.; Maier W.; Craddock N.; Fimmers R.; Holler T.; Baur M.P.; Rietschel M.; Propping P.
CS Dr. M.M. Nothen, Institute of Human Genetics, University of Bonn, Wilhelmstr 31, 53111 Bonn, Germany. noethen@humgen.uni-bonn.de
SO Molecular Psychiatry, (1999) 4/1 (76-84).
Refs: 38
ISSN: 1359-4184 CODEN: MOPSFQ
CY United Kingdom
DT Journal; Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 5 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1999038390 EMBASE
TI General summary.
AU Vianello J.; Licinio J.
CS J. Vianello, NIMH, Bethesda, MD, United States
SO Molecular Psychiatry, (1999) 4/1 (1-3).
Refs: 0
ISSN: 1359-4184 CODEN: MOPSFQ
CY United Kingdom
DT Journal; Editorial
FS 008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
037 Drug Literature Index
LA English

L11 ANSWER 6 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998410358 EMBASE
TI A linkage study of affective disorders in two Bulgarian Gypsy families: Results for candidate regions on chromosomes 18 and 21.
AU Kaneva R.; Milanova V.; Onchev G.; Stoyanova V.; Chakarova C.H.; Nikolova A.; Hallmayer J.; Belemezova M.; Milenska T.; Kirov G.; Kremensky I.; Kalaydjieva L.; Jablensky A.
CS R. Kaneva, Laboratory of Molecular Pathology, University Obstetrics Hospital, 2 Zdrave St., 1431 Sofia, Bulgaria. kaneva@ns.medfac.acad.bg
SO Psychiatric Genetics, (1998) 8/4 (245-249).
Refs: 18
ISSN: 0955-8829 CODEN: PSGEEX
CY United States
DT Journal; Article
FS 022 Human Genetics
032 Psychiatry
LA English

L11 ANSWER 7 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.

AN 1998251897 EMBASE
TI Affective disorder associated with a balanced translocation involving **chromosome** 14 and **18**.
AU Overhauser J.; Berrettini W.H.; Rojas K.
CS Dr. J. Overhauser, Dept. Biochemistry Mol. Pharmacology, Thomas Jefferson University, 233 S. 10th Street, Philadelphia, PA 19107, United States
SO Psychiatric Genetics, (1998) 8/2 (53-56).
Refs: 14
ISSN: 0955-8829 CODEN: PSGEEX
CY United Kingdom
DT Journal; Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 8 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998182899 EMBASE
TI **Bipolar** disorder and panic disorder in families: An analysis of **chromosome 18** data.
AU MacKinnon D.F.; Xu J.; McMahon F.J.; Simpson S.G.; Stine O.C.; McInnis M.G.; Depaulo J.R.
CS Dr. D.F. MacKinnon, Johns Hopkins Univ. Sch. of Medicine, 600 North Wolfe St., Baltimore, MD 21287, United States
SO American Journal of Psychiatry, (1998) 155/6 (829-831).
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ISSN: 0002-953X CODEN: AJPSAO
CY United States
DT Journal; Article
FS 005 General Pathology and Pathological Anatomy
032 Psychiatry
LA English
SL English

L11 ANSWER 9 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998142181 EMBASE
TI No evidence for significant linkage between **bipolar** affective disorder and **chromosome 18** pericentromeric markers in a large series of multiplex extended pedigrees.
AU Knowles J.A.; Rao P.A.; Cox-Matise T.; Loth J.E.; De Jesus G.M.; Levine L.; Das K.; Penchaszadeh G.K.; Alexander J.R.; Lerer B.; Endicott J.; Ott J.; Gilliam T.C.; Baron M.
CS Dr. M. Baron, New York State Psychiatric Institute, 722 West 168th Street,
New York, NY 10032, United States. mb17@columbia.edu
SO American Journal of Human Genetics, (1998) 62/4 (916-924).
Refs: 47
ISSN: 0002-9297 CODEN: AJHGAG
CY United States
DT Journal; Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 10 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998107601 EMBASE
TI Linkage analysis of candidate loci in families with recurrent major depression.
AU Balciuniene J.; Yuan Q.-P.; Engstrom C.; Lindblad K.; Nylander P.O.; Sundvall M.; Schalling M.; Pettersson U.; Adolfsson R.; Jazin E.E.
CS E.E. Jazin, Dept. Medical Genetics, Box 589, Uppsala University, S-751 23 Uppsala, Sweden. elena.jazin@medgen.uu.se
SO Molecular Psychiatry, (1998) 3/2 (162-168).
Refs: 54

ISSN: 1359-4184 CODEN: MOPSFQ
CY United Kingdom
DT Journal; Article
FS 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 11 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998060370 EMBASE
TI Closing in on genes for **manic**-depressive illness and schizophrenia.
AU Gershon E.S.; Badner J.A.; Goldin L.R.; Sanders A.R.; Cravchik A.; Detera-Wadleigh S.
CS Dr. E.S. Gershon, Clinical Neurogenetics Branch, National Institute of Mental Health, National Institutes of Health, Bethesda, MD 20892-1274, United States
SO Neuropsychopharmacology, (1998) 18/4 (233-242).
Refs: 64
ISSN: 0893-133X CODEN: NEROEW
PUI S 0893-133X(97)00145-0
CY United States
DT Journal; General Review
FS 008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 12 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998043570 EMBASE
TI An integrated physical map of 18p11.2: A susceptibility region for **bipolar** disorder.
AU Esterling L.E.; Cox Matise T.; Sanders A.R.; Yoshikawa T.; Overhauser J.; Gershon E.S.; Moskowitz M.T.; Detera-Wadleigh S.D.
CS L.E. Esterling, Clinical Neurogenetics Branch, National Institute of Menial Health, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892-1274, United States
SO Molecular Psychiatry, (1997) 2/6 (501-504).
Refs: 16
ISSN: 1359-4184 CODEN: MOPSFQ
CY United Kingdom
DT Journal; Article
FS 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 13 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998032527 EMBASE
TI Linkage of **bipolar** affective disorder to **chromosome 18** markers in a new pedigree series.
AU McMahon F.J.; Hopkins P.J.; Xu J.; McInnis M.G.; Shaw S.; Cardon L.; Simpson S.G.; MacKinnon D.F.; Stine O.C.; Sherrington R.; Meyers D.A.; DePaulo J.R.
CS Dr. F.J. McMahon, Meyer 3-181, 600 North Wolfe Street, Baltimore, MD 21287-7381, United States. fmcm@welchlink.welch.jhu.edu
SO American Journal of Human Genetics, (1997) 61/6 (1397-1404).
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ISSN: 0002-9297 CODEN: AJHGAG
CY United States

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FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 14 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018197 EMBASE
TI Model-free age-of-onset methods applied to the linkage of **bipolar** disorder.
AU Zhu X.; Olson J.M.; Schnell A.H.; Elston R.C.
CS Dr. R.C. Elston, Dept. of Epidemiology/Biostatistics, Case Western Reserve
University, 2500 MetroHealth Drive, Cleveland, OH 44109, United States
SO Genetic Epidemiology, (1997) 14/6 (711-716).
Refs: 6
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
LA English
SL English

L11 ANSWER 15 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018196 EMBASE
TI Comparison of selected methods used to analyze **bipolar** disorder.
AU Wyszynski D.F.; Doetsch J.P.; Pugh E.W.; Bailey-Wilson J.E.
CS Dr. D.F. Wyszynski, NIH, NHGRI, CIDR, 333 Cassell Dr., Baltimore, MD 21224, United States
SO Genetic Epidemiology, (1997) 14/6 (705-710).
Refs: 13
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
LA English
SL English

L11 ANSWER 16 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018194 EMBASE
TI Probabilistic diagnosis in linkage analysis of **bipolar** disorder: Putting weights on the fringe.
AU Van Eerdewegh P.; Santangelo S.L.; Lee H.; Laird N.M.; Blacker D.
CS S.L. Santangelo, Department of Psychiatry, Tufts/New England Medical Center, NEMC Box 1007, 750 Washington Street, Boston, MA 02111, United States
SO Genetic Epidemiology, (1997) 14/6 (693-698).
Refs: 10
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 17 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018193 EMBASE
TI Modeling the phenotype in parametric linkage analysis of **bipolar** disorder.
AU Turecki G.; Rouleau G.; Morgan K.
CS G. Turecki, Centre for Research in Neuroscience, McGill University, Montreal General Hospital, 1650 Cedar Ave., Montreal, Que. H3G 1A4, Canada
SO Genetic Epidemiology, (1997) 14/6 (687-691).

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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 18 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018192 EMBASE
TI A monte carlo permutation approach to choosing an affection status model for **bipolar** affective disorder.
AU Simonsen K.L.; Kaplan N.L.; Martin E.R.
CS K.L. Simonsen, Department of Statistics, North Carolina State University, Raleigh, NC 27695-8203, United States
SO Genetic Epidemiology, (1997) 14/6 (681-686).
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ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 19 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018191 EMBASE
TI Modeling age of onset and residual familial correlations for the linkage analysis of **bipolar** disorder.
AU Schnell A.H.; Karunaratne P.M.; Witte J.S.; Dawson D.V.; Elston R.C.
CS A.H. Schnell, Dept. of Epidemiol./Biostatistics, Case Western Reserve University, 500 MetroHealth Drive, Cleveland, OH 44109, United States
SO Genetic Epidemiology, (1997) 14/6 (675-680).
Refs: 7
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
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L11 ANSWER 20 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018190 EMBASE
TI Heterogeneity of marker allele frequencies hinders interpretation of linkage analysis: Illustration on **chromosome 18** markers.
AU Margaritte-Jeannin P.; Babron M.-C.; Genin E.; Eichenbaum-Voline S.; Clerget-Darpoux F.
CS F. Clerget-Darpoux, INSERM U155, Chateau de Longchamp, Bois de Boulogne, 75016 Paris, France
SO Genetic Epidemiology, (1997) 14/6 (669-674).
Refs: 14
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 21 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018189 EMBASE
TI Parenteral transmission and D18S37 allele sharing in **bipolar**

affective disorder.
AU Lin J.; Bale S.J.
CS J. Lin, Genetic Studies Section, Laboratory of Skin Biology, Building 6, 6
Center Drive MSC 2757, Bethesda, MD 20892-2757, United States
SO Genetic Epidemiology, (1997) 14/6 (665-668).
Refs: 9
ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 22 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018187 EMBASE
TI Linkage analysis of complex disorders with multiple phenotypic categories:
Simulation studies and application to **bipolar** disorder data.
AU Levinson D.F.
CS D.F. Levinson, Allegheny University Hospitals-EPPI, 3200 Henry Avenue, Philadelphia, PA 19129, United States
SO Genetic Epidemiology, (1997) 14/6 (653-658).
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ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 23 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018185 EMBASE
TI Affected-sib-pair analyses of **bipolar** disorder using data on **chromosome 18.**
AU Haghighi F.; Li W.; Fann C.S.J.
CS F. Haghighi, New YOrk State Psychiatric Institute, 722 W. 168th Street, New York, NY 10032, United States
SO Genetic Epidemiology, (1997) 14/6 (641-646).
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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
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L11 ANSWER 24 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018184 EMBASE
TI Incorporation of covariates into genome scanning using sib-pair analysis in **bipolar** affective disorder.
AU Greenwood C.M.T.; Bull S.B.
CS S.B. Bull, Lunenfeld Research Institute, 600 University Avenue, Toronto, Ont. M5G 1X5, Canada
SO Genetic Epidemiology, (1997) 14/6 (635-640).
Refs: 7
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FS 022 Human Genetics
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LA English

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AN 1998018182 EMBASE
TI Exploring linkage of **chromosome 18** markers and **bipolar** disease.
AU Durner M.; Abreu P.
CS M. Durner, Department of Psychiatry, Mount Sinai Medical Center, Box 1229, New York, NY 10029, United States
SO Genetic Epidemiology, (1997) 14/6 (623-627).
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ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
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L11 ANSWER 26 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018181 EMBASE
TI A meta-analysis of **chromosome 18** linkage data for **bipolar** illness.
AU Dorr D.A.; Rice J.P.; Armstrong C.; Reich T.; Blehar M.
CS D.A. Dorr, Department of Psychiatry, Washington Univ. School of Medicine, St. Louis, MO 63110, United States
SO Genetic Epidemiology, (1997) 14/6 (617-622).
Refs: 6
ISSN: 0741-0395 CODEN: GENYEX
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DT Journal; Conference Article
FS 022 Human Genetics
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L11 ANSWER 27 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018180 EMBASE
TI Parental sex effects in **bipolar** affective disorder pedigrees.
AU Donald J.A.; Salmon J.A.; Adams L.J.; Littlejohn T.; Maher A.; Mitchell P.B.; Schofield P.R.
CS J.A. Donald, School of Biological Sciences, Macquarie University, Sydney, NSW 2109, Australia
SO Genetic Epidemiology, (1997) 14/6 (611-616).
Refs: 6
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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
032 Psychiatry
LA English
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L11 ANSWER 28 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018179 EMBASE
TI Analysis of **bipolar** disorder using affected relatives.
AU Davis S.; Sobel E.; Marinov M.; Weeks D.E.
CS D.E. Weeks, Crabtree Hall, Department of Human Genetics, University of Pittsburgh, 130 DeSoto Street, Pittsburgh, PA 15261, United States
SO Genetic Epidemiology, (1997) 14/6 (605-610).
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ISSN: 0741-0395 CODEN: GENYEX
CY United States
DT Journal; Conference Article

FS 022 Human Genetics
032 Psychiatry
LA English
SL English

L11 ANSWER 29 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018178 EMBASE
TI Do multiple data sets provide support for a **bipolar** illness susceptibility locus on **chromosome 18**?.
AU Daly M.; Kirby A.; Kruglyak L.
CS L. Kruglyak, Whitehead Inst. for Biomedical Res., One Kendall Square, Bldg. 300, Cambridge, MA 02139, United States
SO Genetic Epidemiology, (1997) 14/6 (599-604).
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CY United States
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FS 022 Human Genetics
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L11 ANSWER 30 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018176 EMBASE
TI Disease classification and transmission effects on linkage analyses in the
NIMH1 **bipolar** disorder pedigrees.
AU Collins J.S.; Go R.C.P.
CS R.C.P. Go, University of Alabama at Birmingham, 720 South 20th Street, Birmingham, AL 35294-0008, United States
SO Genetic Epidemiology, (1997) 14/6 (587-592).
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FS 022 Human Genetics
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L11 ANSWER 31 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018175 EMBASE
TI A new test statistic for linkage applied to **bipolar** disorder and marker D18S41.
AU Cleves M.A.; Dawson D.V.; Elston R.C.; Schnell A.H.
CS M.A. Cleves, Dept. of Epidemiol./Biostatistics, Case Western Reserve University, 2500 MetroHealth Drive, Cleveland, OH 44109, United States
SO Genetic Epidemiology, (1997) 14/6 (581-586).
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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
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L11 ANSWER 32 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018174 EMBASE
TI Investigation of the candidate genes ACTHR and golf for **bipolar** illness by the transmission/disequilibrium test.
AU Bickeboller H.; Kistler M.; Scholz M.
CS H. Bickeboller, Inst. for Med. Statistics/Epidemiol., Technische Universitat Munchen, Klinikum rechts der Isar, Ismaninger Strasse 22, D-81675 Munchen, Germany

SO Genetic Epidemiology, (1997) 14/6 (575-580).
Refs: 9
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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
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L11 ANSWER 33 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018173 EMBASE
TI **Bipolar** disorder and **chromosome 18**: An analysis of multiple data sets.
AU Badner J.A.; Goldin L.R.
CS J.A. Badner, National Institute of Mental Health, NIH, Bethesda, MD 20892,
United States
SO Genetic Epidemiology, (1997) 14/6 (569-574).
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CY United States
DT Journal; Conference Article
FS 022 Human Genetics
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L11 ANSWER 34 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018172 EMBASE
TI Description of the genetic analysis workshop 10 **bipolar** disorder linkage data sets.
AU Goldin L.R.; Gershon E.S.; Berrettini W.H.; Stine O.C.; DePaulo R.; McMahon F.; Meyers D.; Nothen M.; Propping P.; Cichon S.; Fimmers R.; Baur M.; Albus M.; Franzek E.; Kreiner R.; Maier W.; Rietschel M.; Baron M.; Knowles J.; Gilliam C.; Endicott J.; Gurling H.; Curtis D.; Smyth C.; Kelsoe J.
CS L.R. Goldin, Clinical Neurogenetics Branch, Notional Institute of Mental Health, National Institutes of Health, 10 Center Dr., Bethesda, MD 20892, United States
SO Genetic Epidemiology, (1997) 14/6 (563-568).
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CY United States
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L11 ANSWER 35 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 1998018171 EMBASE
TI Genetic analysis of **bipolar** disorder: Summary of GAW10.
AU Rice J.
CS J. Rice, Department of Psychiatry, Box 8134, Washington University Medical
School, St. Louis, MO 63110, United States
SO Genetic Epidemiology, (1997) 14/6 (549-561).
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L11 ANSWER 36 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97348147 EMBASE
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AU Esterling L.E.; Matise T.C.; Sanders A.R.; Yoshikawa T.; Overhauser J.; Gershon E.S.; Moskowitz M.T.; Detera-Wadleigh S.D.
CS L.E. Esterling, Clinical Neurogenetics Branch, National Institute of Mental Health, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892-1274, United States. lesterlg@pop.nidcd.nih.gov
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ISSN: 1359-4184 CODEN: MOPSFQ
CY United Kingdom
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FS 022 Human Genetics
032 Psychiatry
LA English
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L11 ANSWER 37 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97346685 EMBASE
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AU Mowry B.J.; Nancarrow D.J.; Levinson D.F.
CS B.J. Mowry, University of Queensland, Wolston Park Hospital, Wacol, QLD 4076, Australia
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CY Australia
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FS 022 Human Genetics
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L11 ANSWER 38 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97330882 EMBASE
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CS M.G McInnis, George Browne Genetics Laboratory, Dept. Psychiatry Behavioral Sciences, Johns Hopkins Univ. School Medicine, Baltimore, MD, United States. mmcinnis@jhu.edu
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ISSN: 0964-6906 CODEN: HMGEE5
CY United Kingdom
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FS 022 Human Genetics
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L11 ANSWER 39 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97312318 EMBASE
DN 1997312318
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affective disorder) in Icelandic and British kindreds using markers on the short arm of **chromosome 18**.
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CS Dr. H.M.D. Gurling, Molecular Psychiatry Laboratory, University College London Med School, Windeyer Building, 46 Cleveland Street, London W1P 6DB, United Kingdom. h.gurling@ucl.ac.uk
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032 Psychiatry
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L11 ANSWER 40 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97283774 EMBASE
DN 1997283774
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AU Mynett-Johnson L.A.; Murphy V.E.; Manley P.; Shields D.C.; McKeon P.
CS Dr. L.A. Mynett-Johnson, Department of Genetics, Trinity College Dublin, Dublin 2, Ireland
SO Biological Psychiatry, (1997) 42/6 (486-494).
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PUI S 0006-3223(96)00427-1
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SL English

L11 ANSWER 41 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97257110 EMBASE
DN 1997257110
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AU Ewald H.; Mors O.; Koed K.; Eiberg H.; Kruse T.A.
CS H. Ewald, Institute Basic Psychiatric Research, Department of Psychiatric Demography, Skovagervej 2, DK-8240 Risskov, Denmark. ph.ph1.he@aaa.dk
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FS 022 Human Genetics
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L11 ANSWER 42 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97205696 EMBASE
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L11 ANSWER 43 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97183396 EMBASE
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CS J.R. DePaulo Jr., Department of Psychiatry, Johns Hopkins University, Baltimore, MD 21287-7381, United States
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CS Dr. S.D. Detera-Wadleigh, Clinical Neurogenetics Branch, National Institute of Mental Health, National Institutes of Health, Bethesda, MD 20892, United States
SO American Journal of Medical Genetics - Neuropsychiatric Genetics, (1997) 74/3 (254-262).
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ISSN: 0148-7299 CODEN: AJMGEB
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FS 022 Human Genetics
032 Psychiatry
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L11 ANSWER 45 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97172342 EMBASE
DN 1997172342
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AU Claes S.; Raeymaekers P.; Van den Broeck M.; Diependaele S.; De Bruyn A.; Verheyen G.; Wils V.; Boogaerts A.; Tanghe A.; Godderis J.; Van Broeckhoven C.; Cassiman J.-J.
CS J.-J. Cassiman, Center for Human Genetics, University of Leuven, Leuven, Belgium
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PUI S 0165-0327(97)01429-8
CY Netherlands
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L11 ANSWER 46 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97155465 EMBASE
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AU Baron M.
CS M. Baron, Department of Psychiatry, Columbia Univ Coll Physicians Surgs, New York State Psychiatric Institute, 722 West 168th Street, New York, NY,
United States. mbl7@columbia.edu
SO Molecular Psychiatry, (1997) 2/3 (200-210).
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CY United Kingdom
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FS 008 Neurology and Neurosurgery
022 Human Genetics
032 Psychiatry
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L11 ANSWER 47 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97131812 EMBASE
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AU Yoshikawa T.; Sanders A.R.; Esterling L.E.; Overhauser J.; Garnes J.A.; Lennon G.; Grewal R.; Detera-Wadleigh S.D.
CS Dr. S.D. Detera-Wadleigh, National Institute of Mental Health, National Institutes of Health, Bldg. 10, 9000 Rockville Pike, Bethesda, MD 20892, United States
SO American Journal of Medical Genetics - Neuropsychiatric Genetics, (1997) 74/2 (140-149).
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FS 022 Human Genetics
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L11 ANSWER 48 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
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CS Dr. O. Mors, Institute Basic Psychiatric Research, Department of Psychiatric Demography, Skovagervej 2, DK-8240 Risskov, Denmark
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AN 97075130 EMBASE
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AU MacKinnon D.F.; Jamison K.R.; DePaulo J.R.
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L11 ANSWER 50 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 97031034 EMBASE
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AU Berrettini W.H.; Ferraro T.N.; Goldin L.R.; Detera-Wadleigh S.D.; Choi H.;
Muniec D.; Guroff J.J.; Kazuba D.M.; Nurnberger J.I. Jr.; Hsieh W.-T.; Hoehe M.R.; Gershon E.S.
CS Dr. W.H. Berrettini, Dept. of Psychiatry/Human Behavior, 312 College, Thomas Jefferson University, 1025 Walnut St, Philadelphia, PA 19107, United States. berrettiniw@jeflin.lju.edu
SO Archives of General Psychiatry, (1997) 54/1 (27-35).
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032 Psychiatry
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L11 ANSWER 51 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96373230 EMBASE
DN 1996373230
TI **Chromosome 18** translocation (**18**;21)
(p11.1;p11.1) associated with psychosis in one family.
AU Smith A.B.; Peterson P.; Wieland J.; Moriarty T.; DeLisi L.E.
CS Department of Psychiatry, Health Sciences Center, T-10 SUNY,Stony Brook, NY 11794, United States
SO American Journal of Medical Genetics - Neuropsychiatric Genetics, (1996) 67/6 (560-563).
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L11 ANSWER 52 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96296056 EMBASE
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TI Linkage disequilibrium analysis of G-olf.alpha. (GNAL) in **bipolar** affective disorder.
AU Tsiouris S.J.; Breschel T.S.; Xu J.; McInnis M.G.; McMahon F.J.
CS Meyer 3-181, 600 N. Wolfe St.,Baltimore, MD 21287-7381, United States
SO American Journal of Medical Genetics - Neuropsychiatric Genetics, (1996) 67/5 (491-494).

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AN 96206806 EMBASE
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AU Turecki G.; Alda M.; Grof P.; Grof E.; Martin R.; Cavazzoni P.A.; Duffy A.; Maciel P.; Rouleau G.A.
CS Centre for Research in Neuroscience, Montreal General Hospital, 1650 Cedar Ave.,Montreal, Que. H3H 1A4, Canada
SO Psychiatry Research, (1996) 63/1 (17-23).
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FS 022 Human Genetics
032 Psychiatry
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L11 ANSWER 54 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96195946 EMBASE
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TI Molecular genetics of **bipolar** disorder.
AU Berrettini W.H.; Pekkarinen P.H.
CS Dept. Psychiatry and Human Behaviour, Jefferson Medical College, Thomas Jefferson University, 1025 Walnut Street,Philadelphia, PA 19107, United States
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CY United Kingdom
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FS 005 General Pathology and Pathological Anatomy
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L11 ANSWER 55 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96195281 EMBASE
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AU Bhandari S.
CS Fairfield Hospital,Nr. Hitchen, Bedfordshire SG5 4AA, United Kingdom
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L11 ANSWER 56 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96155966 EMBASE
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bipolar affective disorders in the old order Amish? A reply to Gershon et al. [6].
AU Pauls D.L.; Ott J.; Paul S.M.; Allen C.R.; Fann C.S.J.; Carulli J.P.; Falls K.M.; Bouthillier C.A.; Gravius T.C.; Keith T.P.; Egeland J.A.; Ginns E.I.
CS Child Study Center, Yale University School of Medicine, 230 South Frontage Road,New Haven, CT 06520-7900, United States
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CY United States
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FS 022 Human Genetics
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L11 ANSWER 57 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96155965 EMBASE
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TI Detection of linkage to affective disorders in the catalogued Amish pedigrees: A reply to Pauls et al. [5].
AU Gershon E.S.; Goldin L.R.; Badner J.A.; Berretiini W.H.
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DT Journal; Letter
FS 022 Human Genetics
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L11 ANSWER 58 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96155953 EMBASE
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L11 ANSWER 59 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96142802 EMBASE
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AU Coon H.; Hoff M.; Holik J.; Hadley D.; Fang N.; Reimherr F.; Wender P.; Byerley W.
CS Department of Psychiatry, University of Utah Medical School, 50 North Medical Drive,Salt Lake City, UT 84132, United States
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L11 ANSWER 60 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96142801 EMBASE
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CS Neurogenetics Laboratory, Born Bunge Foundation, University of Antwerp, Universiteitsplein 1,B-2610 Antwerpen, Belgium
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L11 ANSWER 61 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96133711 EMBASE
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L11 ANSWER 62 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96133705 EMBASE
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AU Calzolari E.; Aiello V.; Palazzi P.; Sensi A.; Calzolari S.; Orrico D.; Calliari L.; Holler H.; Marzi C.; Belli S.; Bernardi F.; Patracchini P.
CS Istituto di Genetica Medica, Via L. Borsari 46,44100 Ferrara, Italy
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L11 ANSWER 63 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
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AU Morell V.
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SO Western Journal of Medicine, (1996) 164/3 (260).
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CY United States
DT Journal; Article
FS 006 Internal Medicine
022 Human Genetics
032 Psychiatry
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L11 ANSWER 65 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96018343 EMBASE
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CS Department of Psychiatry, University of Bonn, Sigmund-Freud-Strasse 25,53105 Bonn, Germany
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FS 022 Human Genetics
032 Psychiatry
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L11 ANSWER 66 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 96002576 EMBASE
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CS Department of Psychiatry, HSC, SUNY Stony Brook,Stony Brook, NY 11794, United States
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AN 95352688 EMBASE
DN 1995352688
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AU Berrettini W.
CS Department of Psychiatry, Thomas Jefferson University, 1015 Walnut Street,Philadelphia, PA 19107, United States
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CY United States
DT Journal; Conference Article
FS 017 Public Health, Social Medicine and Epidemiology
022 Human Genetics
032 Psychiatry
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SL English

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AN 95343744 EMBASE
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CS Meyer 4-163, Johns Hopkins Hospitals, 600 North Wolfe Street,Baltimore, MD
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FS 022 Human Genetics
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L11 ANSWER 69 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
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CS Child Study Center, Yale University School of Medicine, 230 South Frontage
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FS 022 Human Genetics
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L11 ANSWER 70 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
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CS Clinical Neurogenetics Branch, National Institute of Mental Health, National Institutes of Health,Bethesda, MD 20892, United States
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FS 022 Human Genetics
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L11 ANSWER 71 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 95204387 EMBASE
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TI Genes and psychosis: Old wine in new bottles?.
AU Baron M.
CS Department of Psychiatry, Columbia Univ. Coll. Phys./Surgeons, New York State Psychiatric Institute, 722 West 168th Street,New York, NY 10032, United States
SO Acta Psychiatrica Scandinavica, (1995) 92/2 (81-86).
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CY Denmark
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AN 95154478 EMBASE
DN 1995154478
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AU Gelernter J.
CS Psychiatry 116A2, West Haven VA Medical Center, 950 Campbell Avenue,West Haven, CT 06516, United States
SO American Journal of Human Genetics, (1995) 56/6 (1262-1266).
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L11 ANSWER 73 OF 74 EMBASE COPYRIGHT 1999 ELSEVIER SCI. B.V.
AN 94226311 EMBASE
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AU Marshall E.
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CY United States
DT Journal; (Short Survey)
FS 022 Human Genetics
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AN 94196632 EMBASE
DN 1994196632
TI **Chromosome 18** DNA markers and **manic** -depressive illness: Evidence for a susceptibility gene.
AU Berrettini W.H.; Ferraro T.N.; Goldin L.R.; Weeks D.E.; Detera-Wadleigh S.; Nurnberger Jr. J.I.; Gershon E.S.
CS Psychiatry/Human Behavior Department, Jefferson Medical College, Thomas Jefferson University, 1025 Walnut Street,Philadelphia, PA 19107, United States
SO Proceedings of the National Academy of Sciences of the United States of America, (1994) 91/13 (5918-5921).
ISSN: 0027-8424 CODEN: PNASA6

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CY   United States
DT   Journal; Article
FS   022      Human Genetics
     032      Psychiatry
LA   English
SL   English

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FILE COVERS 1978 TO 11 Jun 1999 (19990611/ED)

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         50402 CHROMOSOME
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           833 CHROMOSOME(4A)(18)
          2125 BIPOLAR
           275 MANIC
L12          21 L8 AND (BIPOLAR OR MANIC)

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L12  ANSWER 1 OF 21  LIFESCI    COPYRIGHT 1999 CSA
AN   1998:86986  LIFESCI
TI   Linkage analysis of candidate loci in families with recurrent major
     depression
AU   Balciuniene, J.; Yuan, Q.-P.; Engstroem, C.; Lindblad, K.; Nylander,
P.O.;
     Sundvall, M.; Schalling, M.; Pettersson, U.; Adolfsson, R.; Jazin, E.E.*
CS   Dept Medical Genetics, Box 589, Uppsala University, S-751 23 Uppsala,
     Sweden
SO   MOL. PSYCHIATRY, (19980300) vol. 3, no. 2, pp. 162-168.
     ISSN: 1359-4184.
DT   Journal
FS   N3; G
LA   English
SL   English

L12  ANSWER 2 OF 21  LIFESCI    COPYRIGHT 1999 CSA
AN   1998:86133  LIFESCI
TI   An integrated physical map of 18p11.2: A susceptibility region for
     bipolar disorder
AU   Esterling, L.E.; Matise, T.Cox; Sanders, A.R.; Yoshikawa, T.; Overhauser,
     J.; Gershon, E.S.; Moskowitz, M.T.; Detera-Wadleigh, S.D.
CS   Bldg 10, Room 3N218, Clinical Neurogenetics Branch, National Institute of
     Mental Health, National Institutes of Health, 9000 Rockville Pike,
     Bethesda, MD, 20892-1274, USA
SO   MOL. PSYCHIATRY, (19971100) vol. 2, no. 6, pp. 501-504.
     ISSN: 1359-4184.
DT   Journal
FS   N3
LA   English
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SL English

L12 ANSWER 3 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 1998:85092 LIFESCI
TI A novel human myo-inositol monophosphatase gene, IMP.18p, maps to a susceptibility region for **bipolar** disorder
AU Yoshikawa, T.; Turner, G.; Esterling, L.E.; Sanders, A.R.; Detera-Wadleigh, S.D.
CS Unit on Gene Mapping and Expression, Clinical Neurogenetics Branch, National Institute of Mental Health, National Institutes of Health, Bldg 10, Rm 3N218, Bethesda, MD 20892, USA
SO MOL. PSYCHIATRY, (19970900) vol. 2, no. 5, pp. 393-397. ISSN: 1359-4184.
DT Journal
FS N3
LA English
SL English

L12 ANSWER 4 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 1998:63728 LIFESCI
TI Linkage of **bipolar** affective disorder to **chromosome 18** markers in a new pedigree series
AU McMahon, F.J.; Hopkins, P.J.; Xu, Jianfeng; McInnis, M.G.; Shaw, S.; Cardon, L.; Simpson, S.G.; MacKinnon, D.F.; Stine, O.C.; et al.
CS Meyer 3-181, 600 North Wolfe St., Baltimore, MD 21287-7381, USA
SO AM. J. HUM. GENET., (19971200) vol. 61, no. 6, pp. 1397-1404. ISSN: 0002-9297.
DT Journal
FS G
LA English
SL English

L12 ANSWER 5 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 1998:62302 LIFESCI
TI A novel, heritable, expanding CTG repeat in an intron of the SEF2-1 gene on chromosome 18q21.1
AU Breschel, T.S.; McInnis, M.G.*; Margolis, R.L.; Sirugo, G.; Corneliussen, B.; Simpson, S.G.; McMahon, F.J.; MacKinnon, D.F.; Xu, J.F.; et al.,
CS George Browne Genetics Laboratory, Department of Psychiatry and Behavioral Sciences, Johns Hopkins University School of Medicine, Baltimore, MD 21205 USA
SO HUM. MOL. GENET., (19971000) vol. 6, no. 11, pp. 1855-1863. ISSN: 0964-6906.
DT Journal
FS G
LA English
SL English

L12 ANSWER 6 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 97:98465 LIFESCI
TI Genetics of **manic** depressive illness
AU MacKinnon, D.F.; Jamison, K.R.; DePaulo, J.R.
CS Dep. Psychiatr., Johns Hopkins Univ. Sch. Med., Baltimore, MD 21287, USA
SO ANNU. REV. NEUROSCI., (1997) vol. 20, pp. 355-373. ISSN: 0147-006X.
DT Journal
TC General Review
FS N3
LA English
SL English

L12 ANSWER 7 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 97:70175 LIFESCI

TI Isolation of a cDNA encoding the rat MAP-kinase homolog of human p63 super(mapk)
AU Garcia, J.I.; Zalba, G.; Detera-Wadleigh, S.D.; De Miguel, C.*
CS Depto. de Bioquimica, Univ. de Navarra, 31080 Pamplona, Spain
SO MAMM. GENOME, (1996) vol. 7, no. 11, pp. 810-814.
ISSN: 0938-8990.
DT Journal
FS G; N
LA English
SL English

L12 ANSWER 8 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 97:53902 LIFESCI
TI **Chromosome 18** translocation (**18**;21)
(p11.1;p11.1) associated with psychosis in one family
AU Smith, A.B.; Peterson, P.; Wieland, J.; Moriarty, T.; DeLisi, L.E.*
CS Department of Psychiatry, Health Sciences Center, T-10, SUNY at Stony Brook, Stony Brook, NY 11794, USA
SO AM. J. MED. GENET., (1996) vol. 67, no. 6, pp. 560-563.
ISSN: 0148-7299.
DT Journal
FS N3; G
LA English
SL English

L12 ANSWER 9 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 97:38615 LIFESCI
TI Linkage disequilibrium analysis of G-olf sub(alpha) (GNAL) in **bipolar** affective disorder
AU Tsiouris, S.J.; Breschel, T.S.; Xu, J.; McInnis, M.G.; McMahon, F.J.*
CS Meyer 3-181, 600 N. Wolfe St., Baltimore, MD 21287-7381, USA
SO AM. J. MED. GENET., (1996) vol. 67, no. 5, pp. 491-494. Special Issue: Neuropsychiatric Genetics..
ISSN: 0148-7299.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 10 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 97:28364 LIFESCI
TI New genetic linkages for **manic** depression
AU Ezzell, C.
SO J. NIH RES., (1996) vol. 8, no. 5, pp. 41-42.
ISSN: 1043-609X.
DT Journal
FS N3; G
LA English

L12 ANSWER 11 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:104365 LIFESCI
TI Affected-sib-pair analyses reveal support of prior evidence for a susceptibility locus for **bipolar** disorder, on 21q
AU Detera-Wadleigh, S.D.; Badner, J.A.; Goldin, L.R.; Berrettini, W.H.; Sanders, A.R.; Rollins, D.Y.; Turner, G.; Moses, T.; Haerian, H.; et al.
CS Unit Gene Mapping and Expression, Clin. Neurogenet. Branch, Bldg. 10, Rm. 3N218, Bethesda, MD 20892, USA
SO AM. J. HUM. GENET., (1996) vol. 58, no. 6, pp. 1279-1285.
ISSN: 0002-9297.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 12 OF 21 LIFESCI COPYRIGHT 1999 CSA

AN 96:103822 LIFESCI
TI **Chromosome 18** markers: Linked or not linked to **bipolar** affective disorders in the Old Order Amish? A reply to Gershon et al.
AU Pauls, D.L.; Ott, J.; Paul, S.M.; Allen, C.R.; Fann, C.S.J.; Carulli, J.P.; Falls, K.M.; Bouthillier, C.A.; Gravius, T.C.; et al.
CS Child Stud. Cent., Yale Univ. Sch. Med., 230 South Frontage Rd., P.O. Box 207900, New Haven, CT 06520-7900, USA
SO AM. J. HUM. GENET., (1996) vol. 58, no. 6, pp. 1384-1385. ISSN: 0002-9297.
DT Journal
FS G
LA English

L12 ANSWER 13 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:103821 LIFESCI
TI Detection of linkage to affective disorders in the catalogued Amish pedigrees: A reply to Pauls et al.
AU Gershon, E.S.
CS Natl. Inst. Health, Bethesda, MD 20892-1274, USA
SO AM. J. HUM. GENET., (1996) vol. 58, no. 6, pp. 1381-1384. ISSN: 0002-9297.
DT Journal
FS G
LA English

L12 ANSWER 14 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:94832 LIFESCI
TI A locus for **bipolar** affective disorder on chromosome 4p
AU Blackwood, D.H.R.; He, Lin; Morris, S.W.; McLean, A.; Whitton, C.; Thomson, M.; Walker, M.T.; Woodburn, K.; Muir, W.J.; et al.
CS Edinburgh Univ., Dep. Psychiatr., Royal Edinburgh Hosp., Morningside Park, Edinburgh EH10 5HE, UK
SO NAT. GENET., (1996) vol. 12, no. 4, pp. 427-430. ISSN: 1061-4036.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 15 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:94829 LIFESCI
TI Genetic mapping using haplotype, association and linkage methods suggests a locus for severe **bipolar** disorder (BPI) at 18q22-q23
AU Freimer, N.B.; Reus, V.I.; Escamilla, M.A.; McInnes, L.A.; Spesny, M.; Leon, P.; Service, S.K.; Smith, L.B.; Sandkuijl, L.A.; et al.
CS Neurogenetics Lab., Univ. California San Francisco, San Francisco, CA 94143, USA
SO NAT. GENET., (1996) vol. 12, no. 4, pp. 436-441. ISSN: 1061-4036.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 16 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:94825 LIFESCI
TI A genome-wide search for chromosomal loci linked to **bipolar** affective disorder in the Old Order Amish
AU Ginns, E.I.; Ott, J.; Egeland, J.A.; Allen, C.R.; Fann, C.S.J.; Pauls, D.L.; Weissenbach, J.; Carulli, J.P.; Paul, S.M.; et al.
CS Clin. Neuroscience Branch, IRP, NIMH, NIH, Bldg. 49, Rm. B1EE16, 49 Convent Drive, MSC 4405, Bethesda, MD 20892, USA
SO NAT. GENET., (1996) vol. 12, no. 4, pp. 431-435.

ISSN: 1061-4036.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 17 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:90842 LIFESCI
TI Psychiatric disorder in a familial 15;18 translocation and sublocalization of myelin basic protein to 18q22.3
AU Calzolari, E.; Aiello, V.; Palazzi, P.; Sensi, A.; Calzolari, S.; Orrico, D.; Calliari, L.; Holler, H.; Marzi, C.; Belli, S.; Bernardi, F.; Patracchini, P.
CS Calzolari, Istituto di Genetica Medica, Via L. Borsari 46, 44100 Ferrara, Italy
SO AM. J. MED. GENET., (1996) vol. 67, no. 2, pp. 154-161. Special Issue: Neuropsychiatric Genetics..
ISSN: 0148-7299.
DT Journal
FS N3; G
LA English
SL English

L12 ANSWER 18 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:90836 LIFESCI
TI Maternal inheritance and **chromosome 18** allele sharing in unilineal **bipolar** illness pedigrees
AU Gershon, E.S.; Badner, J.A.; Detera-Wadleigh, S.D.; Ferraro, T.N.; Berrettini, W.H.
CS 10-3N218, Natl. Inst. Health, Bethesda, MD 20892-1274, USA
SO AM. J. MED. GENET., (1996) vol. 67, no. 2, pp. 202-207. Special Issue: Neuropsychiatric Genetics..
ISSN: 0148-7299.
DT Journal
FS G; N3
LA English
SL English

L12 ANSWER 19 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:69991 LIFESCI
TI Evidence for linkage of **bipolar** disorder to **chromosome 18** with a parent-of-origin effect
AU Stine, O.C.; Xu, J.; Koskela, R.; McMahon, F.J.; Gschwend, M.; Friddle, C.; Clark, C.D.; McInnis, M.G.; Simpson, S.G.; et al.
CS Meyer 4-163, Johns Hopkins, 600 North Wolfe St., Baltimore, MD 21287-7563, USA
SO AM. J. HUM. GENET., (1995) vol. 57, no. 6, pp. 1384-1394.
ISSN: 0002-9297.
DT Journal
FS G
LA English
SL English

L12 ANSWER 20 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 96:14741 LIFESCI
TI Linkage analyses of **chromosome 18** markers do not identify a major susceptibility locus for **bipolar** affective disorder in the Old Order Amish
AU Pauls, D.L.; Ott, J.; Paul, S.M.; Allen, C.R.; Fann, C.S.J.; Carulli, J.P.; Falls, K.M.; Bouthillier, C.A.; Ginns, E.I.; et al.
CS Child Study Cent., Yale Univ. Sch. Med., 230 South Frontage Rd., New Haven, CT 06510-8009, USA
SO AM. J. HUM. GENET., (1995) vol. 57, no. 3, pp. 636-643.

ISSN: 0002-9297.
DT Journal
FS G3; N3
LA English
SL English

L12 ANSWER 21 OF 21 LIFESCI COPYRIGHT 1999 CSA
AN 94:100557 LIFESCI
TI **Chromosome 18** DNA markers and **manic**
-depressive illness: Evidence for a susceptibility gene
AU Berrettini, W.H.; Ferraro, T.N.; Goldin, L.R.; Weeks, D.E.;
Detera-Wadleigh, S.; Nurnberger, J.I.,Jr.; Gershon, E.S.
CS Dep. Psychiatry and Hum. Behav., Jefferson Med. Coll., Thomas Jefferson
Univ., 1025 Walnut St., 312 College, Philadelphia, PA 19107, USA
SO PROC. NATL. ACAD. SCI. USA, (1994) vol. 91, no. 13, pp. 5918-5921.
ISSN: 0027-8424.
DT Journal
FS G3; N3
LA English
SL English

=> file confsci

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FILE COVERS 1973 TO 10 Jun 1999 (19990610/ED)

=> s l9

2392 CHROMOSOME
1493 18
25 CHROMOSOME(4A)(18)
798 BIPOLAR
50 MANIC
L13 6 L8 AND (BIPOLAR OR MANIC)

=> d l13 1-6

L13 ANSWER 1 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 1999:9115 CONFSCI
DN 99-021609
TI Search for a shared segment of **chromosome 18** in
patients with **bipolar** affective disorder from the Faeroe Islands
AU Ewald, H.; Nyegaard, M.; Wang, A.; Vang, M.; Mors, O.; Kruse, T.A.
CS Inst. for Basic Psychiatric Res., Dep. Psychiatric Demography,
Psychiatric
Hosp., Aarhus, Denmark
SO John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10158, USA; phone:
(508) 750-4470; fax: (508) 750-8400; URL: www.interscience.wiley.com,
Abstracts available. Contact John Wiley & Sons for price. Poster Paper
No.
197.
Meeting Info.: 984 5018: 6th World Congress on Psychiatric Genetics
(9845018). Bonn (Germany). 6-10 Oct 1998. International Society of
Psychiatric Genetics.

DT Conference
FS DCCP
LA English

L13 ANSWER 2 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 1999:8898 CONFSCI
DN 99-021392
TI **Manic** depressive disorder and **chromosome 18**
AU Villafuerte, S.M.; Verheyen, G.R.; Del-Favero, J.; Souery, D.; Mendlewicz,
J.; Raeymaekers, P.; Van Broeckhoven, C.
CS Univ. Antwerp (UIA), Antwerpen, Belgium
SO John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10158, USA; phone: (508) 750-4470; fax: (508) 750-8400; URL: www.interscience.wiley.com, Abstracts available. Contact John Wiley & Sons for price..
Meeting Info.: 984 5018: 6th World Congress on Psychiatric Genetics (9845018). Bonn (Germany). 6-10 Oct 1998. International Society of Psychiatric Genetics.
DT Conference
FS DCCP
LA English

L13 ANSWER 3 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 96:44154 CONFSCI
DN 96-056027
TI Clinical features of **bipolar** disorder linked to **chromosome 18**
AU McMahon, F.J.; Xu, Jianfeng; Stine, C.; Simpson, S.G.; DePaulo, J.R.
CS Johns Hopkins, Baltimore, MD 21287-7381, USA
SO American Psychiatric Press, Inc., 1400 K St., NW, Washington, DC 20005, Abstracts available. Paper No. NR651.
Meeting Info.: 962 0092: Annual Meeting of the American Psychiatric Association (9620092). New York, NY (USA). 4-9 May 1996. American Psychiatric Association.
DT Conference
FS DCCP
LA English

L13 ANSWER 4 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 96:43580 CONFSCI
DN 96-055453
TI Development of **chromosome 18** markers to aid in the location of a more restricted region of linkage disequilibrium with **bipolar** disorder
AU Sanders, A.R.; Yoshikawa, T.; Detera-Wadleigh, S.; Gershon, E.S.
CS Gene Mapping, NIMH-DIRP-CNG, Bethesda, MD 20892, USA
SO American Psychiatric Press, Inc., 1400 K St., NW, Washington, DC 20005, Abstracts available. Paper No. NR75.
Meeting Info.: 962 0092: Annual Meeting of the American Psychiatric Association (9620092). New York, NY (USA). 4-9 May 1996. American Psychiatric Association.
DT Conference
FS DCCP
LA English

L13 ANSWER 5 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 96:36805 CONFSCI
DN 96-048678
TI Evidence for linkage of **bipolar** affective disorder to **chromosome 18**
AU Noethen, M.; Cichon, S.; Craddock, N.; Albus, M.; Maier, W.; Lichtermann, D.; Weigelt, B.; Franzek, E.; Rietschel, M.; Koerner, J.
CS Inst. Human Genetics, Univ. Bonn, Bonn, Germany
SO Institut fur Humangenetik der Universitat Gottingen, GoBlerstraBe 12 d, D - 37073, Gottingen, Germany, Abstracts available. Paper No. W12-54.

Meeting Info.: 961 5006: Annual Meeting for the Society of Human Genetics (9615006). Gottingen (Germany). 6-9 Mar 1996. No Sponsors listed..
DT Conference
FS DCCP
LA English

L13 ANSWER 6 OF 6 CONFSCI COPYRIGHT 1999 CSA
AN 95:63297 CONFSCI
DN 95-063297
TI Linkage study of **chromosome 18** marker loci and **bipolar** disorder
AU Rao, P.A.; Knowles, J.; Endicott, J.; Ott, J.; Gilliam, T.C.; Baron, M.
CS Med. Genetics, NYS Psych Inst., New York, NY 10032, USA
SO American Psychiatric Association, 1400 K Street, NW, Washington, DC 20005,
Abstracts available..
Meeting Info.: 952 0358: 1995 Annual Meeting of the American Psychiatric Association (9520358). Miami, FL (USA). 20-25 May 1995. American Psychiatric Association.
DT Conference
FS DCCP
LA English

=> d his

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FILE 'MEDLINE' ENTERED AT 14:29:25 ON 13 JUL 1999
L1 1488 S BIPOLAR AND MOOD AND DISORDER
L2 6 S L1 AND CHROMOSOME(2A)(18?)
L3 153 S MANIC AND DEPRESS? AND (18?)
L4 1655 S CHROMOSOME (4A)(18?)
L5 6 S L4 AND L3
L6 4 S L5 NOT L2

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L8 1037 S CHROMOSOME(4A)(18)
L9 21 S L8 AND (BIPOLAR OR MANIC)

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L12 21 S L9

FILE 'CONFSCI' ENTERED AT 14:40:43 ON 13 JUL 1999
L13 6 S L9